VIVOTEK PRODUCT BROCHURE

Network Cameras | Video Servers | Network Video Recorder | PoE Solution | Central Management Software

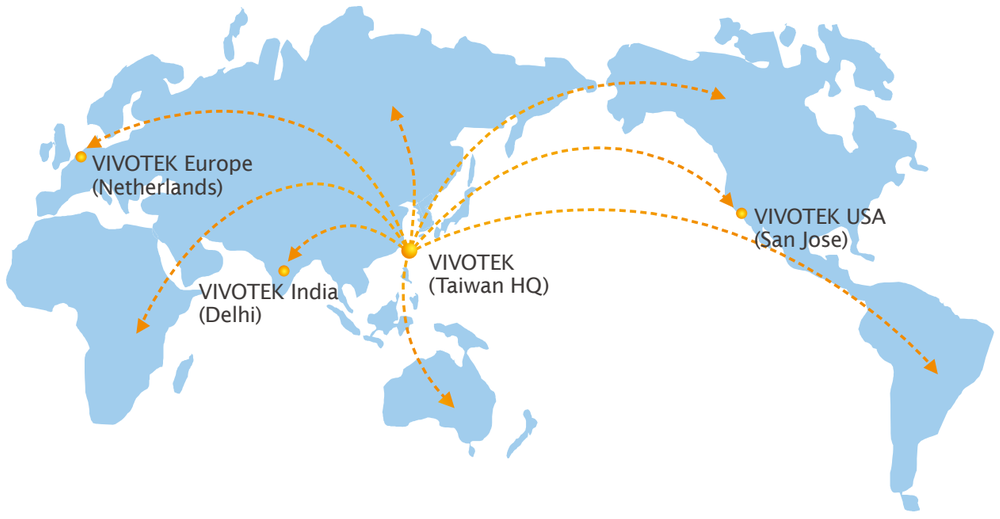
English / Jan. ~ Apr. 2015

About VIVOTEK

VIVOTEK INC. (TAIEX: 3454), established in Taiwan in 2000, has quickly grown into a prestigious leading brand in the security industry. Known for delivering world-class IP surveillance solutions, VIVOTEK's products are future-proof and highly reliable, facilitating the transition from traditional CCTV to wholly digital IP surveillance. Its comprehensive product lineup includes network cameras, video servers, NVR, and central management software.

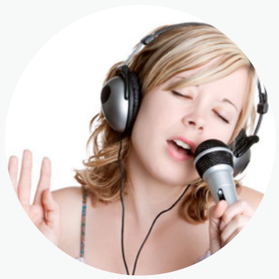
Through more than 150 authorized distributors in over 80 countries, a broad array of the products are successfully deployed by security dealers, telecoms and system integrators for a variety of applications and projects such as banking, city surveillance, hotel, transportation, retail, and more.

Extensive Distribution Channels



VIVOTEK

CONVERGENCE of VIdeo, VOice and Communication TEKnology



Green VIVOTEK
green.vivotek.com

With the increasing environmental challenges of our time, VIVOTEK is deeply aware of the importance of coexisting with the environment for sustainable development. VIVOTEK has implemented a comprehensive, eco-friendly manufacturing policy applied to the product design, component selection, production, quality testing, packaging and shipping processes, effectively minimizing our carbon footprint on the environment. Together, we can be responsible stewards of a vibrant and sustainable future.

VIVOTEK's quality certificates

ISO 14001	TL 9000	WEEE	RoHS	IECQ HSPM
Certification Since 2005	Certification Since 2005	Since 2006	Since 2006	QC 080000 Since 2008

VIVOTEK's green design guidelines

- Eliminating the use of hazardous substances (HSF)
- Easy disassembly and recycling (WEEE)
- Eco-design (EuP)

Product Portfolio

Form Factor	Box Cameras			Box Cameras			Mini-box Cameras
Video Resolution	1.3 Megapixel		2 Megapixel	2 Megapixel		5 Megapixel	1.3 Megapixel
		SNV WDR		WDR	SNV WDR NEW		
Model Name	IP8151/51P	IP8155HP	IP8162/62P	IP8165HP	IP816A-HP	IP8172/72P	IP8152/52-F4
Summary	1.3MP, 30fps, H.264/MJPEG/MPEG-4, P-iris, Focus Assist	1.3MP, 30fps, H.264/MJPEG, WDR Pro II, Remote Back Focus	2MP, 30fps, H.264/MJPEG/MPEG-4, P-iris, Focus Assist	2MP, 30fps, H.264/MJPEG, WDR Pro, Remote Back Focus	2MP, 30fps, H.264/MJPEG, WDR Pro, Remote Back Focus	5MP, 10fps, H.264/MJPEG/MPEG-4, P-iris, Focus Assist	1.3MP, 30fps, H.264/MJPEG
Sensor Type	1/3" Progressive CMOS	1/3" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/1.9" Progressive CMOS	1/2.5" Progressive CMOS	1/3" Progressive CMOS
Lens Type	Vari-focal	Vari-focal	Vari-focal	Vari-focal	Vari-focal	Vari-focal	Vari-focal (IP8152) Fixed-focal (IP8152-F4)
F-number	F1.2 ~ F2.1 (IP8151) F1.2 ~ F16 (IP8151P)	F1.2 ~ F1.95	F1.2 ~ F2.1 (IP8162) F1.2 ~ F16 (IP8162P)	F1.2 ~ F1.95	F1.4 ~ F13	F1.2 ~ 2.5 (IP8172) F1.6 ~ 2.7 (IP8172P)	F1.4 ~ F2.4 (IP8152) F1.6 (IP8152-F4)
Focal Length	f = 3.1 ~ 8 mm	f = 2.8 ~ 8 mm	f = 3.1 ~ 8 mm	f = 2.8 ~ 8 mm	f = 4 ~ 18 mm	f = 2.8 ~ 12 mm (IP8172) f = 3.5 ~ 10 mm (IP8172P)	f = 3.3 ~ 12 mm (IP8152) f = 4 mm (IP8152-F4)
Field of View	35˚ ~ 87˚ (H) 27˚ ~ 64˚ (V)	36˚ ~ 106˚ (H) 29˚ ~ 84˚ (V)	42˚ ~ 105˚ (H) 24˚ ~ 58˚ (V)	40˚ ~ 122˚ (H) 23˚ ~ 69˚ (V)	29˚ ~ 106˚ (H) 16˚ ~ 60˚ (V)	IP8172 : 28˚ ~ 115˚ (H) IP8172P : 33˚ ~ 93˚ (H)	IP8152: 34˚ ~ 74˚ (H) IP8152-F4: 76˚ (H), 60˚ (V)
Auto-iris	DC-iris (IP8151) P-iris (IP8151P)	P-iris (DC-iris reserved)	DC-iris (IP8162) P-iris (IP8162P)	P-iris (DC-iris reserved)	P-iris (DC-iris reserved)	DC-iris (IP8172) P-iris (IP8172P)	DC-iris (IP8152) Fixed-iris (IP8152-F4)
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Illuminators	-	-	-	-	-	-	-
Min. Illumination	0.1 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.03 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.2 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.17 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.03 Lux @ F1.4 (Color) 0.001 Lux @ F1.4 (B/W)	IP8172: 0.13 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) IP8172P: 0.22 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	0.4 Lux @ F1.4 (Color) 0.001 Lux @ F1.4 (B/W)
Max. Video Resolution	1280x1024 (1.3MP)	1280x1024 (1.3MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	2560x1920 (5MP)	1280x1024 (1.3MP)
Frames per Second	30 fps @ 1280x1024	30 fps @ 1280x1024 60 fps @ 1280x1024 (one-stream mode only)	30 fps @ 1920x1080	30 fps @ 1920x1080 60 fps @ 1920x1080 (one-stream mode only)	30 fps @ 1920x1080 60 fps @ 1920x1080 (one-stream mode only)	30 fps @ 1920x1080 10 fps @ 2560x1920	30 fps @ 1280x1024
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)
Multiple Streams	4 Streams	2 Streams	4 Streams	2 Streams	2 Streams	3 Streams	2 Streams
WDR Technology*	WDR Enhanced	WDR Pro II	WDR Enhanced	WDR Pro	WDR Pro	WDR Enhanced	WDR Enhanced
3DNR	-	Yes	-	Yes	Yes	-	-
Power Input	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE
Power Consumption	Max. 3.6 W	DC Max. 8.3 W AC Max. 14.4 W PoE Max. 10.1 W	Max. 4.92 W	Max. 8.3 W (DC 12V) Max. 14.4 W (AC 24V) Max. 10.1 W (PoE)	Max. 9.2 W (DC 12V) Max. 15.4 W (AC 24V) Max.12.2 W (PoE)	IP8172: Max. 4.9 W (DC 12V) Max. 7.0 W (AC 24V) Max. 6.8 W (PoE) IP8172P: Max. 5.2 W (DC 12V) Max. 7.0 W (AC 24V) Max. 6.9 W (PoE)	Max. 3.4 W
Digital Input / Output	1/1	3/1	1/1	3/1	3/1	1/1	1/0
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	GSM-AMR, AAC, G.711	AAC, G.711, G.726	GSM-AMR, AAC, G.711	AAC, G.711, G.726	AAC, G.711, G.726	GSM-AMR, AAC, G.711	G.711
On-board Storage	SD/SDHC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot
Housing	-	-	-	-	-	-	-
Dimensions	154 mm (D) x 72 mm (W) x 62 mm (H) (Without lens)	210 mm (D) x 70 mm (W) x 63 mm (H)	154 mm (D) x 72 mm (W) x 62 mm (H) (Without lens)	210 mm (D) x 70 mm (W) x 63 mm (H)	210 mm (D) x 70 mm (W) x 63 mm (H)	218 mm (D) x 72 mm (W) x 62 mm (H)	88 mm (D) x 80 mm (W) x 70 mm (H) (IP8152) 52 mm (D) x 80 mm (W) x 70 mm (H) (IP8152-F4)
Operating Temperature	-10˚C ~ 50˚C (14˚F ~ 122˚F)	-10˚C ~ 50˚C (14˚F ~ 122˚F)	-10˚C ~ 50˚C (14˚F ~ 122˚F)	-10˚C ~ 50˚C (14˚F ~ 122˚F)	-10˚C ~ 60˚C (14˚F ~ 122˚F)	-10˚C ~ 50˚C (14˚F ~ 122˚F)	-10˚C ~ 50˚C (14˚F ~ 122˚F)
Other Value-added Features	ePTZ, Adjustment Ring, Focus Assist (IP8151P)	Remote Back Focus, SNV* Video Rotation, Snapshot Focus	ePTZ, Focus Assist	Remote Back Focus Video Rotation, Snapshot Focus	Remote Back Focus Video Rotation, Snapshot Focus, SNV*	ePTZ, Focus Assist	Compact Size

*WDR Enhanced: Achieved with tone mapping technology, which reduced the dynamic range of an entire image with retaining contrast.
*WDR Pro: Captures 2 to 3 alternate frames using different exposure times, combining them into a single image. Generally more powerful than WDR Enhanced.
*WDR Pro II: Captures 4 alternate frames using different exposure times, combining them into a single image. Generally more powerful than WDR Pro.

*SNV: Supreme Night Visibility, by professionally integrating superior optical components and sophisticated video algorithms, SNV cameras present Supreme Night Visibility in low light conditions.

Form Factor	Mini-box Cameras	Bullet Cameras		Bullet Cameras			
Video Resolution	3 Megapixel	1 Megapixel		1 Megapixel	1.3 Megapixel		2 Megapixel
	WDR	WDR	WDR NEW	WDR	SNV WDR	SNV	
Model Name	IP8173H	IP8335H	IB8338-H/38-HR	IP8337H-C	IP8355H/55EH	IB8354-C	IB8168
Summary	3MP, 20fps, H.264/MJPEG/MPEG-4, WDR Pro	1MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, P-iris	1MP, 30fps, H.264/MJPEG, WDR Pro, P-iris	1MP, 30fps, H.264/MJPEG, WDR Pro, 3DNR	1.3MP, 30fps, H.264/MJPEG, WDR Pro II, SNV*	1.3MP, 30fps, H.264/MJPEG, SNV*	2MP, 15fps, H.264/MJPEG, Compact Size
Sensor Type	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type	Vari-focal	Vari-focal	Vari-focal	Fixed-focal	Vari-focal Remote Focus	Fixed-focal	Fixed-focal
F-number	F1.2 ~ F1.95	F1.2 ~ F2.1	F1.8 ~ F2.85	F1.6	F1.2 ~ F2.3	F1.6	F1.8
Focal Length	f = 2.8 ~ 8 mm	f = 3 ~ 9 mm	f = 2.8 ~ 12 mm	f = 6.0 mm	f = 3 ~ 9 mm	f = 4.0 mm	f = 3.6 mm
Field of View	46˚ ~ 94˚ (H) 35˚ ~ 70˚ (V)	31˚ ~ 86˚ (H) 25˚ ~ 73˚ (V)	33˚ ~ 87˚ (H) 21˚ ~ 54˚ (V)	56˚ (H), 31˚ (V)	34˚ ~ 80˚ (H) 27˚ ~ 62˚ (V)	69˚ (H), 54˚ (V)	97˚ (H), 52˚ (V)
Auto-iris	P-iris	P-iris	P-iris	-	P-iris	-	-
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes	-
IR Illuminators	-	20 m, IR LED*12	30 m, IR LED*6	20 m, IR LED*12	30 m, IR LED*4	20 m, IR LED*12	-
Min. Illumination	0.65 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.8 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.27 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.29 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	0.04 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.08 Lux @ F1.6 (Color) 0.06 Lux @ F1.6 (B/W)	0.58 Lux @ F1.8
Max. Video Resolution	2048x1536 (3.1MP)	1280x800 (1MP)	1280x800 (1MP)	1280x800 (1MP)	1280x1024 (1.3MP)	1280x1024 (1.3MP)	1920x1080 (2MP)
Frames per Second	20 fps @ 2048x1536	30 fps @ 1280x800	30 fps @ 1280x800	30 fps @ 1280x800	30 fps @ 1280x1024 60 fps @ 1280x1024 (one-stream mode only)	30 fps @ 1280x1024	15 fps @ 1920x1080 30 fps @ 1280x720
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	3 Streams	2 Streams	3 Streams	2 Streams	2 Streams	3 Streams	3 Streams
WDR Technology*	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro II	WDR Enhanced	-
3DNR	-	-	Yes	Yes	Yes	Yes	-
Power Input	PoE	PoE DC 12V AC 24V	PoE DC 12V	PoE	PoE DC 12V AC 24V	PoE	PoE
Power Consumption	Max. 4.4 W	Max. 6.6 W (DC 12V) Max. 8.6 W (AC 24V)	IB8338-H PoE: Max. 9.7W DC12V: Max. 9.96 W IB8338-HR PoE: Max. 10W	Max. 6.4 W (PoE)	DC: Max. 30 W (Heater on) 8 W (Heater off) AC: Max. 30 W (Heater on) 8.8 W (Heater off) PoE: Max. 11 W	Max. 5.5 W	Max. 2.3 W
Digital Input / Output	1/0	3/1	1/1	1/0	1/1	1/0	-
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio	-	Two-way Audio	-	-
Audio Compression	GSM-AMR, AAC, G.711	GSM-AMR, AAC, G.711	G.711, G.726	-	AAC, G.711, G.726	-	-
On-board Storage	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot
Housing	-	IP67	IP66	IP66	IP67	IP66	-
Dimensions	101 mm (D) x 80 mm (W) x 70 mm (H)	Ø: 70 mm x 186 mm	Ø: 82 mm x 283 mm	Ø: 60 mm x 294 mm	Ø: 91 mm x 221 mm	Ø: 60 mm x 294 mm	Ø: 32 mm x 117 mm
Operating Temperature	0˚C ~ 50˚C (32˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	IP8355H: -20˚C ~ 50˚C (-4˚F ~ 122˚F) IP8355EH: -50˚C ~ 50˚C (-58˚F ~ 122˚F) PoE: -20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 40˚C (-4˚F ~ 104˚F)
Other Value-added Features	Compact Size	Cable Management, ePTZ	Cable Management, ePTZ, Daisy-Chain PoE (IB8338-HR)	Cable Management, 3DNR	ePTZ, WDR Pro II, Smart IR, SNV*	Cable Management, 3DNR, Smart IR, SNV*	Cable Management, Compact Size

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*SNV: Supreme Night Visibility, by professionally integrating superior optical components and sophisticated video algorithms, SNV cameras present Supreme Night Visibility in low light conditions.

Form Factor	Bullet Cameras			Bullet Cameras			
Video Resolution	2 Megapixel			2 Megapixel		3 Megapixel	
			SNV	SNV	WDR	SNV	WDR NEW
Model Name	IB8369	IP8364-C	IB8367/67-R	IB8367-T/67-RT	IP8365H/65EH	IP8371/71E	IB8373-EH
Summary	2MP, 30fps, H.264/MJPEG, 3DNR, Cable Management	2MP, 30fps, H.264/MJPEG, 3DNR, Cable Management	2MP, 30fps, H.264/MJPEG, P-iris, SNV*	2MP, 30fps, H.264/MJPEG, P-iris, Smart IR, SNV*	2MP, 30fps, H.264/MJPEG, WDR Pro, 3DNR	3MP, 30fps, H.264/MJPEG, 1080p 60fps	3MP, 20fps, H.264/MJPEG, WDR Pro, -50˚C ~ 50˚C
Sensor Type	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" progressive CMOS	1/3" Progressive CMOS
Lens Type	Fixed-focal	Fixed-focal	Vari-focal	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus
F-number	F2.0	F1.6	F1.8 ~ F2.85	F1.8 ~ F2.85	F1.2 ~ F2.3	F1.2 ~ F2.3	F1.8 ~ F2.85
Focal Length	f = 3.6 mm	f = 6 mm	f = 2.8 ~ 12 mm	f = 2.8 ~ 12 mm	f = 3 ~ 9 mm	f = 3 ~ 9 mm	f = 2.8 ~ 12 mm
Field of View	84˚ (H), 68˚ (V)	59˚ (H), 32˚ (V)	30˚ ~ 98˚ (H) 21˚ ~ 54˚ (V)	45˚ ~ 103˚ (H) 25˚ ~ 56˚ (V)	39˚ ~ 89˚ (H) 22˚ ~ 49˚ (V)	36˚ ~ 82˚ (H) 27˚ ~ 62˚ (V)	29.5˚ ~ 86.3˚ (H) 22.1˚ ~ 63.3˚ (V)
Auto-iris	-	-	P-iris	P-iris	P-iris	P-iris	P-iris
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Illuminators	20 m, IR LED*6	20 m, IR LED*12	30 m, IR LED*6	30 m, IR LED*6	30 m	30 m, IR LED*4	30 m, IR LED*12
Min. Illumination	0.78 Lux @ F2.0 (Color) 0.006 Lux @ F2.0 (B/W)	0.62 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	0.06 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.06 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.11 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.1 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.33 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)
Max. Video Resolution	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	2048x1536 (3.1MP)	2048x1536 (3.1MP)
Frames per Second	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080 60 fps @ 1920x1080 (one-stream mode only)	30 fps @ 2048x1536 60 fps @ 1920x1080	20 fps @ 2048x1536 30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	3 Streams	2 Streams	3 Streams	3 Streams	2 Streams	4 Streams	3 Streams
WDR Technology*	WDR Enhanced	-	WDR Enhanced	WDR Enhanced	WDR Pro	WDR Enhanced	WDR Pro
3DNR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power Input	PoE DC 12V	PoE	PoE DC 12V (IB8367) PoE Plus & UPoE (IB8367-R)	PoE DC 12V (IB8367-T) PoE Plus & UPoE (IB8367-RT)	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V
Power Consumption	Max. 6.5 W (DC 12V) Max. 7.5W (PoE)	Max. 7 W	IB8367: Max. 8.6 W (DC 12V) Max. 9.7 W (PoE) IB8367-R : Max. 10 W (PoE)	IB8367-T: Max: 11 W (DC12V) Max: 11.6 W (PoE) IB8367-RT: Max:12.6 W (PoE)	DC: Max. 30 W (Heater on) 8 W (Heater off) AC: Max. 30 W (Heater on) 8.8 W (Heater off) PoE: Max. 11 W	DC: Max. 26 W (Heater on), 7.5 W (Heater off) AC: Max. 25 W (Heater on), 7.7 W (Heater off) PoE: Max. 11 W	DC: Max.12.24 W (Heater on), 9.5W (Heater off) AC: Max. 13.11 W (Heater on), 10.1W (Heater off) PoE: Max. 9.5 W
Digital Input / Output	-	1/0	1/1	1/1	1/1	1/1	1/1
Audio Capability	-	-	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	-	-	G.711, G.726	G.711, G.726	AAC, G.711, G.726	AAC, G.711, G.726	AAC, G.711, G.726
On-board Storage	MicroSD/SDHC Card Slot	MicroSD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot
Housing	IP66	IP66	IP66	IP66	IP67	IP67	IP67
Dimensions	Ø: 77 mm x 211 mm	Ø: 60 mm x 294 mm	Ø: 82.06 mm x 282.5 mm	Ø: 82 mm x 283 mm	Ø: 91 mm x 221 mm	Ø: 91 mm x 221 mm	Ø: 91 mm x 221 mm
Operating Temperature	-10˚C ~ 50˚C (14˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	IP8365H: -20˚C ~ 50˚C (-4˚F ~ 122˚F) IP8365EH: -50˚C ~ 50˚C (-58˚F ~ 122˚F) PoE: -20˚C ~ 50˚C (-4˚F ~ 122˚F)	IP8371: -20˚C ~ 50˚C (-4˚F ~ 122˚F) IP8371E: -50˚C ~ 50˚C (-58˚F ~ 122˚F) PoE: -20˚C ~ 50˚C (-4˚F ~ 122˚F)	-50˚C ~ 50˚C (-58˚F ~ 122˚F) PoE: -20˚C ~ 50˚C (-4˚F ~ 122˚F)
Other Value-added Features	Cable Management, 3DNR	Cable Management, 3DNR, Smart IR	Cable Management, 3DNR, Smart Stream, Smart IR, SNV* Daisy-Chain PoE (IB8367-R)	Cable Management, 3DNR, Smart Stream, Smart IR, SNV*, Daisy-Chain PoE (IB8367-RT)	ePTZ, WDR Pro, 3DNR, Smart IR, Video Rotation	SNV*, Smart Stream, Smart IR, 3DNR, Video Rotation	Smart Stream, Smart IR, 3DNR

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Form Factor	Bullet Cameras		Fixed Dome Cameras	Fixed Dome Cameras			
Video Resolution	5 Megapixel		1 Megapixel	1 Megapixel			
		NEW		WDR	WDR	WDR NEW	WDR
Model Name	IP8372	IB8381/81-E	FD8136	FD8137H/37HV	FD8135H	FD8138-H	FD8335H
Summary	5MP, 10fps, H.264/MJPEG/MPEG-4, Remote Focus, -30˚C ~ 50˚C	5MP, 25fps, H.264/MJPEG, Remote Focus, -50˚C ~ 50˚C	1MP, 30fps, H.264/MJPEG/MPEG-4, Selectable Lens, Compact Size	1MP, 30fps, H.264/MJPEG, WDR Pro, Selectable Lens	1MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, PIR	1MP, 30fps, H.264/MJPEG, WDR Pro, PIR	1MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, IP66, IK10
Sensor Type	1/2.5" Progressive CMOS	1/3.2" Progressive CMOS	1/4" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS
Lens Type	Vari-focal Remote Focus	Vari-focal Remote Focus	Fixed-focal	Fixed-focal	Vari-focal	Vari-focal	Vari-focal
F-number	F1.8 ~ F3.4	F1.2 ~ F2.3	F2.0 (FD8136-F2, FD8136-F3) F1.8 (FD8136-F6)	F1.8 (FD8137H-F3) F1.6 (FD8137H-F6)	F1.2 ~ F2.1	F1.8 ~ F2.85	F1.2 ~ F2.1
Focal Length	f = 3.79 ~ 9 mm	f = 3 ~ 9 mm	f = 2.5 mm (FD8136-F2) f = 3.6 mm (FD8136-F3) f = 6 mm (FD8136-F6)	f = 3.6 mm (FD8137H-F3) f = 6.0 mm (FD8137H-F6)	f = 3 ~ 9 mm	f = 2.8 ~ 12 mm	f = 3 ~ 9 mm
Field of View	35˚ ~ 73˚ (H) 27˚ ~ 55˚ (V)	31˚ ~ 67˚ (H) 24˚ ~ 50˚ (V)	FD8136-F2: 90˚ (H), 62˚ (V) FD8136-F3: 61˚ (H), 38˚ (V) FD8136-F6: 36˚ (H), 23˚ (V)	FD8137H-F3: 86˚ (H), 51˚ (V) FD8137H-F6: 59˚ (H), 32˚ (V)	35˚ ~ 103˚ (H) 23˚ ~ 62˚ (V)	33˚ ~ 87˚ (H) 21˚ ~ 54˚ (V)	35˚ ~ 103˚ (H) 23˚ ~ 62˚ (V)
Auto-iris	DC-iris	P-iris	-	-	P-iris	P-iris	P-iris
Day/Night	Yes	Yes	-	Yes	Yes	Yes	Yes
IR Illuminators	30 m, IR LED*26	30 m	-	15 m, IR LED*8	20 m, IR LED*18	30 m, IR LED*6	20 m, IR LED*18
Min. Illumination	0.28 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.22 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	1.15 Lux @ F1.8	0.5 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	0.8 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.27 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.8 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)
Max. Video Resolution	2560x1920 (5MP)	2560x1920 (5MP)	1280x800 (1MP)	1280x800 (1MP)	1280x800 (1MP)	1280x800 (1MP)	1280x800 (1MP)
Frames per Second	10 fps @ 2560x1920 30 fps @ 1920x1080	25 fps @ 2560x1920 30 fps @ 1920x1080	30 fps @ 1280x800	30 fps @1280x800	30 fps @ 1280x800	30 fps @ 1280x800	30 fps @ 1280x800
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	3 Streams	3 Streams	2 Streams	2 Streams	2 Streams	3 Streams	2 Streams
WDR Technology*	WDR Enhanced	WDR Enhanced	-	WDR Pro	WDR Pro	WDR Pro	WDR Pro
3DNR	-	Yes	-	Yes	-	Yes	-
Power Input	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE	PoE	PoE AC 24V	PoE DC 12V	PoE AC 24V
Power Consumption	Max. 9.8 W (DC 12V) Max. 11.6 W (AC 24V) Max. 11.8 W (PoE)	IB8381: Max. 10.86 W (DC 12V) Max. 12.13 W (AC 24V) Max. 12.36 W (PoE) IB8381-E: Max. 22.4 W (DC 12V) Max. 24.6 W (AC 24V) Max. 23.46 W (PoE)	Max. 3.84 W	Max. 5.1 W	Max. 8.0 W	PoE: Max. 9.7 W DC 12V: Max. 9.96 W	Max. 8 W
Digital Input / Output	2/1	1/1	1/0	1/0	3/1	1/1	3/1
Audio Capability	Two-way Audio	Two-way Audio	Built-in Microphone	Built-in Microphone	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	GSM-AMR, AAC, G.711	AAC, G.711, G.726	GSM-AMR, G.711	G.711, G.726	GSM-AMR, AAC, G.711	G.711, G.726	GSM-AMR, AAC, G.711
On-board Storage	MicroSD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC Card Slot
Housing	IP67	IP67	-	IP66, IK10 (FD8137HV)	-	-	IP66, IK10
Dimensions	Ø: 91 mm x 221 mm	Ø: 91 mm x 221 mm	Ø: 90 mm x 50 mm	Ø: 152 mm x 94 mm	Ø: 157 mm x 110 mm	Ø: 102 mm x 135 mm	Ø: 173 mm x 115 mm
Operating Temperature	-30˚C ~ 50˚C (-22˚F ~ 122˚F)	IP8381: -20˚C ~ 50˚C (-4˚F ~ 122˚F) IP8381-E: -50˚C ~ 50˚C (-58˚F ~ 122˚F)	0˚C ~ 50˚C (32˚F ~ 122˚F)	0˚C ~ 50˚C (FD8137H) -20˚C ~ 50˚C (FD8137HV)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)
Other Value-added Features	Cable Management, ePTZ	Smart Stream, Smart IR, 3DNR	ePTZ, Ultra-mini Size (Ø: 90 mm, H: 50 mm)	3DNR	PIR, 3-axis, ePTZ	PIR, 3-axis, ePTZ	3-axis, ePTZ

*WDR Enhanced: Achieved with tone mapping technology, which reduced the dynamic range of an entire image with retaining contrast.
*WDR Pro: Captures 2 to 3 alternate frames using different exposure times, combining them into a single image. Generally more powerful than WDR Enhanced.
*WDR Pro II: Captures 4 alternate frames using different exposure times, combining them into a single image. Generally more powerful than WDR Pro.

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Form Factor	Fixed Dome Cameras			Fixed Dome Cameras			
Video Resolution	1 Megapixel	1.3 Megapixel		1.3 Megapixel		2 Megapixel	
	WDR NEW	SNV	SNV	SNV WDR NEW	SNV WDR		
Model Name	FD8338-HV	FD8152V	FD8154/54V	FD8155H	FD8355HV/55EHV	FD8168	FD8166
Summary	1MP, 30fps, H.264/MJPEG, WDR Pro, IP66, IK10	1.3MP, 30fps, H.264/MJPEG, IK10, Selectable Lens, SNV*	1.3MP, 30fps, H.264/MJPEG, 3DNR, Selectable Lens	1.3MP, 30fps, H.264/MJPEG, WDR Pro II	1.3MP, 30fps, H.264/MJPEG, WDR Pro II, IP66, IK10	2MP, 15fps, H.264/MJPEG, Compact Size	2MP, 15fps, H.264/MJPEG, Selectable Lens, Compact Size
Sensor Type	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type	Vari-focal	Fixed-focal	Fixed-focal	Vari-focal Remote Focus	Vari-focal Remote Focus	Fixed-focal	Fixed-focal
F-number	F1.8 ~ F2.85	F2.0 (FD8152V-F2) F1.6 (FD8152V-F4)	F2.0 (FD8154/54V-F2) F1.6 (FD8154/54V-F4)	F1.3 ~ F2.5	F1.3 ~ F2.5	F1.8	F2.0 (FD8166-F2) F1.8 (FD8166-F3) F1.6 (FD8166-F6)
Focal Length	f = 2.8 ~ 12 mm	f = 2.8 mm (FD8152V-F2) f = 4 mm (FD8152V-F4)	f = 2.8 mm (FD8154/54V-F2) f = 4 mm (FD8154/54V-F4)	f = 3 ~ 10 mm	f = 3 ~ 10 mm	f = 3.6 mm	f = 2.8 mm (FD8166-F2) f = 3.6 mm (FD8166-F3) f = 6 mm (FD8166-F6)
Field of View	33˚ ~ 87˚ (H) 21˚ ~ 54˚ (V)	FD8152V-F2: 110˚ (H), 80˚ (V) FD8152V-F4: 69˚ (H), 54˚ (V)	FD8154/54V-F2: 101˚ (H), 80˚ (V) FD8154/54V-F4: 69˚ (H), 54˚ (V)	30˚ ~ 95˚ (H) 24˚ ~ 75˚ (V)	30˚ ~ 95˚ (H) 24˚ ~ 75˚ (V)	97˚ (H), 52˚ (V)	FD8166-F2: 121˚ (H), 68˚ (V) FD8166-F3: 98˚ (H), 50˚ (V) FD8166-F6: 56˚ (H), 31˚ (V)
Auto-iris	P-iris	-	-	P-iris	P-iris	-	-
Day/Night	Yes	Yes	Yes	Yes	Yes	-	-
IR Illuminators	30 m, IR LED*6	15 m, IR LED*9	20 m, IR LED*12	30 m, IR LED*4	30 m	-	-
Min. Illumination	0.27 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.08 Lux @ F1.6 (Color) 0.06 Lux @ F1.6 (B/W)	0.08 Lux @ F1.6 (Color) 0.06 Lux @ F1.6 (B/W)	0.05 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.05 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.58 Lux @ F1.8	0.9 Lux @ F2.0
Max. Video Resolution	1280x800 (1MP)	1280x1024 (1.3MP)	1280x1024 (1.3MP)	1280x1024 (1.3MP)	1280x1024 (1.3MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per Second	30 fps @ 1280x800	30 fps @ 1280x1024	30 fps @ 1280x1024	30 fps @ 1280x1024 60 fps @ 1280x1024 (one-stream mode only)	30 fps @ 1280x1024 60 fps @ 1280x1024 (one-stream mode only)	15 fps @ 1920x1080 30 fps @ 1280x720	15 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	3 Streams	3 Streams	3 Streams	2 Streams	2 Streams	3 Streams	2 Streams
WDR Technology*	WDR Pro	WDR Enhanced	WDR Enhanced	WDR Pro II	WDR Pro II	-	-
3DNR	Yes	Yes	Yes	Yes	Yes	-	-
Power Input	PoE DC 12V	PoE	PoE	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE	PoE
Power Consumption	PoE: Max. 9.7 W DC 12V: Max. 9.96 W	Max. 5.1 W	Max. 5.1 W	DC 12V: Max. 8 W AC 24V: Max. 8.8 W PoE: Max. 10.6 W	DC: Max. 25.2 W (Heater on) 8 W (Heater off) AC: Max. 30.3 W (Heater on) 8.8W (Heater off) PoE: Max. 10.6 W	Max. 2.3 W	Max. 2.9 W
Digital Input / Output	1/1	1/0	1/0	1/1	1/1	-	1/0
Audio Capability	Two-way Audio	Built-in Microphone	Built-in Microphone	Two-way Audio	Two-way Audio	-	Built-in Microphone
Audio Compression	G.711, G.726	G.711	G.711	AAC, G.711, G.726	AAC, G.711, G.726	-	G.711
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot
Housing	IP66, IK10	IK10	IP66, IK10 (FD8154V)	-	IP66, IK10	-	-
Dimensions	Ø: 141 mm x 103 mm	Ø: 100 mm x 55 mm	Ø: 127 mm x 91 mm (FD8154) Ø: 152 mm x 94 mm (FD8154V)	Ø: 157 mm x 109 mm	Ø: 173mm x 115 mm	Ø: 62 mm x 50 mm	Ø: 90 mm x 50 mm
Operating Temperature	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	FD8355HV: -20˚C ~ 50˚C (-4˚F ~ 122˚F) FD8355EHV: -50˚C ~ 50˚C (-58˚F ~ 122˚F) PoE: -20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 40˚C (-4˚F~ 104˚F)	0˚C ~ 50˚C (32˚F ~ 122˚F)
Other Value-added Features	3-axis, ePTZ	ePTZ, Ultra-mini Size (Ø: 100 mm, H: 55 mm)	3DNR, Smart IR, SNV*	WDR Pro II, 3-axis, Smart IR, SNV*	WDR Pro II, 3-axis, Smart IR, SNV*	Compact Size	ePTZ, Ultra-mini Size (Ø: 90 mm, H: 50 mm)

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Form Factor	Fixed Dome Cameras			Fixed Dome Cameras			
Video Resolution	2 Megapixel			2 Megapixel			
			WDR	WDR NEW	SNV	SNV	SNV
Model Name	FD8169	FD8164/64V	FD8365HV/65EHV	FD8165H	FD8167	FD8167-T	FD8367-V
Summary	2MP, 30fps, H.264/MJPEG, 3DNR	2MP, 30fps, H.264/MJPEG, IP66, IK10, Selectable Lens	2MP, 30fps, H.264/MJPEG, WDR Pro, IP66, IK10	2MP, 30fps, H.264/MJPEG, WDR Pro	2MP, 30fps, H.264/MJPEG, 3DNR, PIR	2MP, 30fps, H.264/MJPEG, PIR, 3DNR	2MP, 30fps, H.264/MJPEG, 3DNR, SNV*, IP66, IK10
Sensor Type	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS
Lens Type	Fixed-focal	Fixed-focal	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal	Vari-focal Remote Focus	Vari-focal
F-number	F2.0	F2.0 (FD8164/64V-F2) F1.8 (FD8164/64V-F3)	F1.3 ~ F2.5	F1.3 ~ F2.5	F1.8 ~ F2.85	F1.8 ~ F2.85	F1.8 ~ F2.85
Focal Length	f = 2.8 mm	f = 2.8 mm (FD8164/64V-F2) f = 3.6 mm (FD8164/64V-F3)	f = 3 ~ 10 mm	f = 3 ~ 10 mm	f = 2.8 ~ 12 mm	f = 2.8 ~ 12 mm	f = 2.8 ~ 12 mm
Field of View	105˚ (H), 87˚ (V)	FD8164/64V-F2: 120˚ (H), 68˚ (V) FD8164/64V-F3: 95˚ (H), 51˚ (V)	33˚ ~ 104˚ (H) 19˚ ~ 56˚ (V)	33˚ ~ 104˚ (H) 19˚ ~ 56˚ (V)	35˚ ~ 99˚ (H) 20˚ ~ 54˚ (V)	45˚ ~ 101˚ (H) 25˚ ~ 55˚ (V)	35˚ ~ 99˚ (H) 20˚ ~ 54˚ (V)
Auto-iris	-	-	P-iris	P-iris	P-iris	P-iris	P-iris
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Illuminators	15 m, IR LED*6	15 m, IR LED*8	20 m	20 m, IR LED*4	30 m, IR LED*6	30 m, IR LED*6	30 m, IR LED*6
Min. Illumination	1.22 Lux @ F2.0 (Color) 0.008 Lux @ F2.0 (B/W)	1.19 Lux @ F2.0 (Color) 0.001 Lux @ F2.0 (B/W)	0.16 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.16 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.06 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.06 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.06 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)
Max. Video Resolution	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per Second	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080 60 fps @ 1920x1080 (one-stream mode only)	30 fps @ 1920x1080 60 fps @ 1920x1080 (one-stream mode only)	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	3 Streams	2 Streams	2 Streams	2 Streams	3 Streams	3 Streams	3 Streams
WDR Technology*	WDR Enhanced	-	WDR Pro	WDR Pro	WDR Enhanced	WDR Enhanced	WDR Enhanced
3DNR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power Input	PoE DC 12V	PoE	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V	PoE DC 12V	PoE DC 12V
Power Consumption	DC Max. 6.5 W PoE Max. 7.5 W	Max. 5.1 W	DC Max. 25.2 W (Heater on) 8 W (Heater off) AC Max. 30.3 W (Heater on) 8.8 W (Heater off) PoE Max. 10.6 W	DC 12V: Max. 7.6 W AC 24V: Max. 8.6 W PoE: Max. 10.6 W	DC Max. 8.6 W PoE Max. 9.7 W	DC Max. 11 W PoE Max. 11.6 W	DC Max. 8.6 W PoE Max. 9.7 W
Digital Input / Output	-	1/0	1/1	1/1	1/1	1/1	1/1
Audio Capability	-	Built-in Microphone	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	-	G.711	AAC, G.711, G.726	AAC, G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726
On-board Storage	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot
Housing	-	IP66, IK10 (FD8164V)	IP66, IK10	-	-	-	IP66, IK10
Dimensions	Ø: 128 mm x 98 mm	Ø: 127 mm x 91 mm (FD8164) Ø: 152 mm x 94 mm (FD8164V)	Ø: 173 mm x 115 mm	Ø: 157 mm x 109 mm	Ø: 102 mm x 135 mm	Ø: 102 mm x 135 mm	Ø: 103 mm x 141 mm
Operating Temperature	-10˚C ~ 50˚C (14˚F ~ 122˚F)	0˚C ~ 50˚C (FD8164) -20˚C ~ 50˚C (FD8164V)	FD8365HV: -20˚C ~ 50˚C (-4˚F ~ 122˚F) FD8365EHV: -50˚C ~ 50˚C (-58˚F ~ 122˚F) PoE: -20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)
Other Value-added Features	3DNR	3DNR, Smart IR	3-axis, 3DNR, Smart IR	Smart IR, 3-axis, 3DNR	3DNR, Smart Stream, PIR, SNV*	3DNR, Smart Stream, PIR, SNV*	3DNR, Smart Stream, SNV*

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Form Factor	Fixed Dome Cameras			Fixed Dome Cameras			
Video Resolution	2 Megapixel		3 Megapixel	3 Megapixel			5 Megapixel
	SNV NEW SUPREME		SNV	SNV	WDR NEW	WDR NEW SUPREME	
Model Name	FD8367-TV	FD8362E	FD8171	FD8371V/71EV	FD8173-H	FD8373-EHV	FD8372
Summary	2MP, 30fps, H.264/MJPEG, 3DNR, SNV*	2MP, 30fps, H.264/MJPEG/MPEG-4, WDR Enhanced, IK10, -40˚C ~ 55˚C	3MP, 30fps, H.264/MJPEG, 1080p 60fps, 20 m IR	3MP, 30fps, H.264/MJPEG, 1080p 60fps, IK10	3MP, 20fps, H.264/MJPEG, WDR Pro	3MP, 20fps, H.264/MJPEG,WDR Pro, -50 ~ 50˚C, IP66, IK10	5MP, 10fps, H.264/MJPEG/MPEG-4, WDR Enhanced, IP66, IK10
Sensor Type	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/2.5" Progressive CMOS
Lens Type	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus
F-number	F1.8 ~ F2.85	F1.2 ~ F2.1	F1.3 ~ F2.5	F1.3 ~ F2.5	F1.8 ~ F2.85	F1.8 ~ F2.85	F1.8 ~ F3.4
Focal Length	f = 2.8 ~ 12 mm	f = 3 ~ 9 mm	f = 3 ~ 10 mm	f = 3 ~ 10 mm	f = 2.8 ~ 12 mm	f = 2.8 ~ 12 mm	f = 3.6 ~ 9 mm
Field of View	45˚ ~ 101˚ (H) 25˚ ~ 55˚ (V)	32˚ ~ 93˚ (H) 24˚ ~ 68˚ (V)	32˚ ~ 99˚ (H) 24˚ ~ 72˚ (V)	32˚ ~ 99˚ (H) 24˚ ~ 72˚ (V)	29.7˚ ~ 82.6˚ (H) 22.4˚ ~ 61.9˚ (V)	29.7˚ ~ 82.6˚ (H) 22.4˚ ~ 61.9˚ (V)	35˚ ~ 89˚ (H) 27˚ ~ 67˚ (V)
Auto-iris	P-iris	DC-iris	P-iris	P-iris	P-iris	P-iris	DC-iris
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Illuminators	30 m, IR LED*6	-	20 m	20 m, IR LED*4	20 m, IR LED*4	20 m, IR LED*4	20 m, IR LED*15
Min. Illumination	0.06 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.3 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.1 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.1 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.33 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.33 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.28 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)
Max. Video Resolution	1920x1080 (2MP)	1920x1080 (2MP)	2048x1536 (3.1MP)	2048x1536 (3.1MP)	2048x1536 (3.1MP)	2048x1536 (3.1MP)	2560x1920 (5MP)
Frames per Second	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 2048x1536 60 fps @ 1920x1080	30 fps @ 2048x1536 60 fps @ 1920x1080	20 fps @ 2048x1536 30 fps @ 1920x1080	20 fps @ 2048x1536 30 fps @ 1920x1080	10 fps @ 2560x1920 30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	3 Streams	4 Streams	4 Streams	4 Streams	3 Streams	3 Streams	3 Streams
WDR Technology*	WDR Enhanced	WDR Enhanced	WDR Enhanced	WDR Enhanced	WDR Pro	WDR Pro	WDR Enhanced
3DNR	Yes	-	Yes	Yes	Yes	Yes	-
Power Input	PoE DC 12V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE AC 24V
Power Consumption	DC Max. 11 W PoE Max. 11.6 W	DC 12V: 13.7 W PoE: 11.52 W AC 24V: 21.4 W	Max. 10.92 W (DC 12V) Max. 12.25 W (AC 24V) Max. 12.95 W (PoE)	FD8371V: Max. 28 W (DC 12V) Max. 34 W (AC 24V) Max. 12.95W (PoE) FD8371EV: Max. 10.92 W (DC 12V) Max. 12.25 W (AC 24V) Max. 12.95 W (PoE)	DC 12V: Max.11 W AC 24V: Max.12.5 W PoE: Max. 11 W	DC: Max.25.2 W (Heater on), 11 W (Heater off) AC: Max. 26.25 W (Heater on), 12.5 W (Heater off) PoE: Max. 11 W	Max. 7.2 W (AC 24V) Max. 7.53 W (PoE)
Digital Input / Output	1/1	1/1	1/1	1/1	1/1	1/1	3/1
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	G.711, G.726	GSM-AMR, AAC, G.711	AAC, G.711, G.726	AAC, G.711, G.726	AAC, G.711, G.726	AAC, G.711, G.726	GSM-AMR, AAC, G.711
On-board Storage	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot
Housing	IP66, IK10	IP66, IK10	-	IP66, IK10	-	IP66, IK10	IP66, IK10
Dimensions	Ø: 103 mm x 141 mm	Ø: 173 mm x 115 mm	Ø: 157 mm x 109 mm	Ø: 173 mm x 115 mm	Ø: 157 mm x 109 mm	Ø: 173 mm x 115 mm	Ø: 173 mm x 115 mm
Operating Temperature	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-40˚C ~ 55˚C (-40˚F ~ 131˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	FD8371V: -20˚C ~ 50˚C (-4˚F ~ 122˚F) FD8371EV -50˚C ~ 50˚C (-58˚F ~ 122˚F) PoE: -20˚C ~ 50˚C (-4˚F ~ 122˚F)	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-50˚C ~ 50˚C (-58˚F ~ 122˚F) PoE: -20˚C ~ 50˚C (-4˚F ~ 122˚F)	-30˚C ~ 50˚C (-22˚F ~ 122˚F)
Other Value-added Features	3DNR, Smart Stream, SNV*	ePTZ, Smart Focus	Video Rotation, Smart IR, Smart Stream, 3DNR, PIR, 3-axis, SNV*	Video Rotation, Smart IR, Smart Stream, 3DNR, SNV*	Smart Stream, Smart IR, 3DNR, PIR	Smart Stream, Smart IR, 3DNR	3-axis, ePTZ

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Form Factor	Fixed Dome Cameras		Panoramic Fisheye Cameras	Panoramic Fisheye Cameras			
Video Resolution	5 Megapixel		1 Megapixel	5 Megapixel			
	NEW	NEW		NEW	SUPREME	SUPREME	SUPREME
Model Name	FD8181	FD8381-EV	CC8130	FE8180	FE8174/74V	SF8174/74V	FE8181/81V
Summary	5MP, 25fps, H.264/MJPEG, Remote Focus, PIR	5MP, 25fps, H.264/MJPEG, Remote Focus, -50˚C ~ 50˚C, IP66, IK10	1MP, 30fps, H.264/MJPEG, 180˚ Panoramic View	5MP, 15 fps, H.264/MJPEG, Fisheye Surround View	5MP, 15 fps, H.264/MJPEG/MPEG-4, Fisheye Surround View, EN50155	5MP, 15 fps, H.264/MJPEG/MPEG-4, Fisheye Surround View	5MP, 15 fps, H.264/MJPEG/MPEG-4, Fisheye Surround View, 10 m IR
Sensor Type	1/3.2" Progressive CMOS	1/3.2" Progressive CMOS	1/4" Progressive CMOS	1/2.5" Progressive CMOS in 2560x1920	1/2.5" Progressive CMOS in 2560x1920	1/2.5" Progressive CMOS in 2560x1920	1/2.5" Progressive CMOS in 2560x1920
Lens Type	Vari-focal Remote Focus	Vari-focal Remote Focus	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal
F-number	F1.3 ~ F2.5	F1.3 ~ F2.5	F1.8	F2.2	F2.8	F2.8	F2.8
Focal Length	f = 3 ~ 10 mm	f = 3 ~ 10 mm	f = 1.3 mm	f=1.57 mm	f = 1.5 mm	f = 1.5 mm	f = 1.5 mm
Field of View	28˚ ~ 82˚ (H) 21˚ ~ 61˚ (V)	28˚ ~ 82˚ (H) 21˚ ~ 61˚ (V)	180˚ (H), 100˚ (V)	180˚ (H), 180˚ (V)	180˚ (H), 180˚ (V)	180˚ (H), 180˚ (V)	180˚ (H), 180˚ (V)
Auto-iris	P-iris	P-iris	-	-	-	-	-
Day/Night	Yes	Yes	-	-	Yes	Yes	Yes
IR Illuminators	30 m	30 m	-	-	-	-	10 m, IR LED*6
Min. Illumination	0.27 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.27 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	1.69 Lux @ F1.8	0.18 Lux @ F2.2 (Color)	0.3 Lux @ F2.8 (Color) 0.001 Lux @ F2.8 (B/W)	0.3 Lux @ F2.8 (Color) 0.001 Lux @ F2.8 (B/W)	0.6 Lux @ F2.8 (Color) 0.01 Lux @ F2.8 (B/W)
Max. Video Resolution	2560x1920 (5MP)	2560x1920 (5MP)	1280x800	1920x1920	1920x1920	1920x1920	1920x1920
Frames per Second	25 fps @ 2560x1920 30 fps @ 1920x1080	25 fps @ 2560x1920 30 fps @ 1920x1080	30 fps @ 1280x800	15 fps @ 1920x1920 30 fps @ 1920x1080	15 fps @ 1920x1920 30 fps @ 1920x1080	15 fps @ 1920x1920 30 fps @ 1920x1080	15 fps @ 1920x1920 30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	3 Streams	3 Streams	2 Streams	3 streams	3 Streams	3 Streams	3 Streams
WDR Technology*	WDR Enhanced	WDR Enhanced	-	WDR Enhanced	WDR Enhanced	WDR Enhanced	WDR Enhanced
3DNR	Yes	Yes	-	Yes	-	-	Yes
Power Input	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE	PoE	PoE DC 12V	PoE DC 12V	PoE Plus DC 12V
Power Consumption	Max. 9.54W (DC 12V) Max. 10.47W (AC 24V) Max. 10.49W (PoE)	Max. 18.37W (DC 12V) Max. 21.57W (AC 24V) Max. 21.95W (PoE)	Max. 3.8W	Max. 3.6 W	Max. 5.1 W (DC 12V) Max. 5.3 W (PoE)	Max. 5.1 W (DC 12V) Max. 5.3 W (PoE)	Max. 22 W (DC 12V) Max. 23 W (PoE+)
Digital Input / Output	1/1	1/1	-	-	1/1	1/1	1/1
Audio Capability	Two-way Audio	Two-way Audio	Built-in Microphone	-	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	AAC, G.711, G.726	AAC, G.711, G.726	G.711	-	AAC, G.711, G.726	AAC, G.711, G.726	AAC, G.711, G.726
On-board Storage	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	-	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot
Housing	-	IP66, IK10	-	-	IP66, IK10 (FE8174V)	IP66, IK10 (SF8174V)	IP66, IK10 (FE8181V)
Dimensions	Ø: 157 mm x 109 mm	Ø: 173 mm x 115 mm	28 mm (D) x 50 mm (W) x 88 mm (H) (Body only) 35 mm (D) x 53 mm (W) x 118 mm (H) (With stand)	Ø: 90 mm x 37 mm	Ø: 145 mm x 47 mm (FE8174V) Ø: 139 mm x 34 mm (FE8174)	Ø: 145 mm x 47 mm (SF8174V) Ø: 139 mm x 34 mm (SF8174)	Ø: 160 mm x 51 mm (FE8181V) Ø: 160 mm x 39 mm (FE8181)
Operating Temperature	-20˚C ~ 50˚C (-4˚F ~ 122˚F)	-50˚C ~ 50˚C (-58˚F ~ 122˚F)	0˚C ~ 40˚C (32˚F ~ 104˚F)	-10˚C ~ 40˚C (14˚F ~ 104˚F)	-40˚C ~ 50˚C (-40˚F ~ 122˚F)	-40˚C ~ 50˚C (-40˚F ~ 122˚F)	-40˚C ~ 50˚C (-40˚F ~ 122˚F)
Other Value-added Features	Smart Stream, Smart IR, 3DNR, PIR	Smart Stream, Smart IR, 3DNR	Compact Size, 180˚ Panoramic View, Tilt Mount/Flat Mount Available	ePTZ, 180˚ Panoramic View and 360˚ Surround View, Pixel Calculator, Local Dewarping	EN50155 (FE8174V), ePTZ, 180˚ Panoramic View and 360˚ Surround View, Pixel Calculator, Local Dewarping	ePTZ, 180˚ Panoramic View and 360˚ Surround View, Pixel Calculator, Panoramic PTZ	10 m IR, EN50155 (FE8181V), ePTZ, 180˚ Panoramic View and 360˚ Surround View

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Form Factor	Panoramic Fisheye Cameras		Mobile Dome Cameras	Mobile Dome Cameras	PTZ Dome Cameras		
Video Resolution	12 Megapixel		1.2 Megapixel	2 Megapixel	D1		1 Megapixel
	Coming Soon	Coming Soon	WDR		WDR	WDR	
Model Name	FE8191	FE8391-V	MD8531H	MD8562/62D	SD8314E/24E	SD8316E/26E	PD8136
Summary	12MP, 13 fps, H.264/MJPEG, Fisheye Surround View	12MP, 13 fps, H.264/MJPEG, Fisheye Surround View, 10 m IR	1.2MP, 30 fps, H.264/MJPEG/MPEG-4, WDR Pro 120dB, EN50155	2MP, 30 fps, H.264/MJPEG/MPEG-4, IP67, IK10, EN50155	D1, 25/30fps, H.264/MJPEG/MPEG-4, WDR Pro, 18x, IP66, NEMA 4X	D1, 25/30fps, H.264/MJPEG/MPEG-4, WDR Pro, 36x, IP66, NEMA 4X	1MP, 30fps, H.264/MJPEG/MPEG-4, 360° Pan & 80° Tilt
Sensor Type	1/2.3" Progressive CMOS	1/2.3" Progressive CMOS	1/3" Progressive CMOS	1/2.7" Progressive CMOS	1/4" Progressive CCD	1/4" Progressive CCD	1/4" Progressive CMOS
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal	18x Optical Zoom Auto Focus	36x Optical Zoom Auto Focus	Fixed-focal
F-number	F2.8	F2.8	F1.8	F2.0	F1.4 ~ F3.0	F1.6 ~ F4.5	F1.8
Focal Length	f = 1.5 mm	f = 1.5 mm	f = 3.6 mm (MD8531H-F3) f = 4.2 mm (MD8531H-F4)	f = 2.8 mm	f = 4.1 ~ 73.8 mm	f = 3.4 ~ 122.4 mm	f = 3.6 mm
Field of View	180° (H), 180° (V)	180° (H), 180° (V)	MD8531H-F3: 80°(H), 57°(V) MD8531H-F4: 68°(H), 50°(V)	110° (H), 82° (V)	3° ~ 48° (H) 2° ~ 37° (V)	2° ~ 58° (H) 1° ~ 44° (V)	56° (H), 41° (V)
Auto-iris	-	-	-	-	DC-iris	DC-iris	-
Day/Night	Yes	Yes	-	-	Yes	Yes	-
IR Illuminators	-	10 m, IR LED*6	-	-	-	-	-
Min. Illumination	0.8 Lux @ F2.8 (Color) 0.01 Lux @ F2.8 (B/W)	0.8 Lux @ F2.8 (Color) 0.01 Lux @ F2.8 (B/W)	0.4 Lux @ F1.8	0.7 Lux @ F2.0	0.62 Lux @ F1.4 (Color) 0.001 Lux @ F1.4 (B/W)	0.62 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	1.69 Lux @ F1.8
Max. Video Resolution	2992x2992	2992x2992	1280x960 (1.2MP)	1920x1080 (2MP)	720x480/NTSC (SD8314E) 720x576/PAL (SD8324E)	720x480/NTSC (SD8316E) 720x576/PAL (SD8326E)	1280x800 (1MP)
Frames per Second	13 fps @ 2992x2992	13 fps @ 2992x2992	30 fps @ 1280x960	30 fps @ 1920x1080	30 fps @ 720x480 25 fps @ 720x576	30 fps @ 720x480 25 fps @ 720x576	30 fps @ 1280x800
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	4 Streams	4 Streams	4 Streams	4 Streams	4 Streams	4 Streams	2 Streams
WDR Technology*	WDR Enhanced	WDR Enhanced	WDR Pro	WDR Enhanced	WDR Pro	WDR Pro	-
3DNR	Yes	Yes	Yes	-	-	-	-
Power Input	PoE Plus DC 12V	PoE Plus DC 12V	PoE	PoE (MD8562) DC 12V (MD8562D)	PoE Plus High Power PoE AC 24V	PoE Plus High Power PoE AC 24V	PoE
Power Consumption	Max. 11.2 W (DC 12V) Max. 12.3 W (PoE+)	Max. 21.7 W (DC 12V) Max. 23.4 W (PoE+)	Max. 4.5 W (PoE)	Max. 4.3 W Max. 7.5 W (heater on)	PoE Plus: Max. 19 W AC 24V: Max. 48 W (heater on) Max. 19 W (heater off) High Power PoE: Max. 48 W (heater on) Max. 19 W (heater off)	PoE Plus: Max. 19 W AC 24V: Max. 48 W (heater on) Max. 19 W (heater off) High Power PoE: Max. 48 W (heater on) Max. 19 W (heater off)	Max. 6.24 W
Digital Input / Output	1/1	1/1	1/1	1/0	4/2	4/2	-
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio	Audio In	Two-way Audio	Two-way Audio	Built-in Microphone
Audio Compression	AAC, G.711, G.726	AAC, G.711, G.726	G.711, G.726	GSM-AMR, AAC, G.711	GSM-AMR, AAC, G.711, G.726	GSM-AMR, AAC, G.711, G.726	G.711
On-board Storage	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot
Housing	-	IP66, IK 10	IP66, IK10	IP67, IK10	IP66, NEMA 4X, IK08 (With AC-111)	IP66, NEMA 4X, IK08 (With AC-111)	-
Dimensions	Ø: 160 mm x 39 mm	Ø: 160 mm x 51 mm	129 mm (D) x 107 mm (W) x 54 mm (H)	130 mm (D) x 107 mm (W) x 47 mm (H)	Ø: 205 mm x 321 mm	Ø: 205 mm x 321 mm	Ø: 120 mm x 55 mm
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-25°C ~ 55°C (-13°F ~ 131°F)	-25°C ~ 55°C (-13°F ~ 131°F)	-40°C ~ 55°C (AC 24V) -5°C ~ 55°C (PoE Plus)	-40°C ~ 55°C (AC 24V) -5°C ~ 55°C (PoE Plus)	0°C ~ 45°C (32°F ~ 113°F)
Other Value-added Features	ePTZ, 180° Panoramic View and 360° Surround View, Smart IR, 3DNR	10 m IR, ePTZ, 180° Panoramic View and 360° Surround View, Smart IR, 3DNR	EN50155, ePTZ, Video Rotation	EN50155, ePTZ	Audio Detection, Auto Tracking	Audio Detection, Auto Tracking, EIS	Compact Design, 360° Pan & 80° Tilt

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Form Factor	PTZ Dome Cameras			PTZ Dome Cameras		Cube Cameras	
Video Resolution	1 Megapixel	2 Megapixel		2 Megapixel	1 Megapixel		
	WDR NEW	NEW	WDR	WDR			Outdoor Wifi
Model Name	SD8333-E	SD8161	SD8363E	SD8364E	IP8130/31/30W/31W	IP8133/33W	IP8336W
Summary	1MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, 30x, IP66, NEMA 4X	2MP, 30fps, H.264/MJPEG, 18x	2MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, 20x, IP66, NEMA 4X	2MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, 30x, IP66, NEMA 4X	1MP, 30fps, H.264/MJPEG, 6 m IR, Wi-Fi, WPS	1MP, 30fps, H.264/MJPEG/MPEG-4, White-light Led, PIR, Wi-Fi, WPS	1MP, 30fps, H.264/MJPEG/MPEG-4, 5 m IR, Wi-Fi, WPS, IP66
Sensor Type	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/4" Progressive CMOS	1/4" Progressive CMOS	1/4" Progressive CMOS
Lens Type	30x Optical Zoom Auto Focus	18x Optical Zoom Auto Focus	20x Optical Zoom Auto Focus	30x Optical Zoom Auto Focus	Fixed-focal	Fixed-focal	Fixed-focal
F-number	F1.6 ~ F4.7	F1.6 ~ F2.8	F1.6 ~ F3.5	F1.6 ~ F4.7	F2.4 (IP8130/30W) F1.8 (IP8131/31W)	F2.4	F1.8
Focal Length	f = 4.3 ~ 129 mm	f = 4.7 ~ 84 mm	f = 4.7 ~ 94 mm	f = 4.3 ~ 129 mm	f = 3.45 mm (IP8130/30W) f = 3.6 mm (IP8131/31W)	f = 3.45 mm	f = 3.6 mm
Field of View	2.1° ~ 57.8° (H) 1.2° ~ 34.5° (V)	4° ~ 61° (H) 2° ~ 36° (V)	3° ~ 55° (H) 2° ~ 32° (V)	2.3° ~ 64° (H) 1.3° ~ 36° (V)	IP8130/30W: 47° (H), 31° (V) IP8131/31W: 60° (H), 39° (V)	47° (H), 31° (V)	56° (H), 41° (V)
Auto-iris	DC-iris	DC-iris	DC-iris	DC-iris	-	-	-
Day/Night	Yes	Yes	Yes	Yes	Yes (IP8131/31W)	-	Yes
IR Illuminators	-	-	-	-	6 m, IR LED*6 (IP8131/31W)	-	5 m, IR LED*6
Min. Illumination	0.15 Lux @ F1.6 (Color) 0.0048 Lux @ F1.6 (B/W)	0.72 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	1.8 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	0.5 Lux @ F1.6 (Color) 0.03 Lux @ F1.6 (B/W)	0.3 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W) (IP8131/31W)	3.0 Lux @ F2.4	0.47 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)
Max. Video Resolution	1280x720 (1MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1280x800 (1MP)	1280x800 (1MP)	1280x800 (1MP)
Frames per Second	60 fps @ 1280x720	30 fps @ 1920x1080	60 fps @ 1280x720 30 fps @ 1920x1080	60 fps @ 1280x720 30 fps @ 1920x1080	30 fps @ 1280x800	30 fps @ 1280x800	30 fps @ 1280x800
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	4 Streams	4 Streams	4 Streams	4 Streams	2 Streams	3 Streams	2 Streams
WDR Technology*	WDR Pro	WDR Enhanced	WDR Pro	WDR Pro	-	-	-
3DNR	-	Yes	-	-	-	-	-
Power Input	PoE Plus High Power PoE AC 24V	PoE Plus DC 12V AC 24V	PoE Plus High Power PoE AC 24V	PoE Plus High Power PoE AC 24V	DC 12V	PoE (IP8133) DC 5V	DC 12V
Power Consumption	PoE plus: Max. 19W AC 24V: Max. 48W (heater on) Max. 19W (heater off) High Power PoE: Max. 48W (heater on) Max. 19W (heater off)	PoE Plus: Max. 25.5W AC24V/DC12V: Max. 30W	PoE plus: Max. 19 W AC 24V: Max. 48 W (heater on) Max. 19 W (heater off) High Power PoE: Max. 48 W (heater on) Max. 19 W (heater off)	PoE plus: Max. 19 W AC 24V: Max. 48 W (heater on) Max. 19 W (heater off) High Power PoE: Max. 48 W (heater on) Max. 19 W (heater off)	Max. 1.8 W (IP8130) Max. 3.0 W (IP8131) Max. 2.3 W (IP8130W) Max. 3.0 W (IP8131W)	Max. 4.3 W (IP8133) Max. 4.7 W (IP8133W)	Max. 3.4 W
Digital Input / Output	4/2	4/2	4/2	4/2	1/0	1/1	1/0
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Built-in Microphone
Audio Compression	AAC, G.711, G.726	AAC, G.711, G.726	GSM-AMR, AAC, G.711	AAC, G.711, G.726	G.711	GSM-AMR, G.711	G.711
On-board Storage	SD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	-	MicroSD/SDHC Card Slot
Housing	IP66, NEMA 4X	-	IP66, NEMA 4X	IP66, NEMA 4X	-	-	IP66
Dimensions	Ø: 205 mm x 321 mm	Ø: 205 mm x 226 mm	Ø: 205 mm x 321 mm	Ø: 205 mm x 321 mm	31 mm (D) x 80 mm (W) x 80 mm (H) (IP8130/30W) 46 mm (D) x 80 mm (W) x 80 mm (H) (IP8131/31W)	32 mm (D) x 79 mm (W) x 80 mm (H)	62 mm (D) x 88 mm (W) x 85 mm (H)
Operating Temperature	-40°C ~ 55°C (AC 24V) -5°C ~ 55°C (PoE Plus)	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 55°C (AC 24V) -5°C ~ 55°C (PoE Plus)	-40°C ~ 55°C (AC 24V) -5°C ~ 55°C (PoE Plus)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	-20°C ~ 45°C (-4°F ~ 113°F)
Other Value-added Features	Defog, EIS, Audio Detection, Auto Tracking	Audio Detection, Auto Tracking	Audio Detection, Auto Tracking	Defog, EIS, Audio Detection, Auto Tracking	Compact Size, 802.11b/g/n WLAN, WPS (IP8130W/31W)	Privacy Button, PIR, White-light LEDs, Built-in Speaker , WPS (IP8133W)	ePTZ, WPS, 802.11b/g/n WLAN

*WDR Enhanced: Achieved with tone mapping technology, which reduced the dynamic range of an entire image with retaining contrast.
*WDR Pro: Captures 2 to 3 alternate frames using different exposure times, combining them into a single image. Generally more powerful than WDR Enhanced.
*WDR Pro II: Captures 4 alternate frames using different exposure times, combining them into a single image. Generally more powerful than WDR Pro.

*SNV: Supreme Night Visibility, by professionally integrating superior optical components and sophisticated video algorithms, SNV cameras present Supreme Night Visibility in low light conditions.

Form Factor	Split-type Video Core
Channel	2-Channel

Model Name	VC8201
Video Source	VIVOTEK Split-type Camera Unit
Audio Capability	Audio Input x 2 (From Camera Unit)
Video Compression	H.264/MJPEG
Digital Input /Output	2/2
Multiple Streams	3 Streams per Channel
Power Input	PoE DC 12V
On-board Storage	SD/SDHC/SDXC Card Slot
3DNR	Yes
Audio Compression	GSM-AMR, G.711
Dimensions	145 mm (W) x 105 mm (D) x 32 mm (H)
Operating Temperature	-10˚C ~ 50˚C (14˚F ~ 122˚F)

Form Factor	Split-type Camera Unit	
Video Resolution	1 Megapixel	5 Megapixel

WDR

Model Name	CU8131	CU8171
Summary	1MP, 30fps, WDR Pro	5MP, 15fps, Fisheye Surround View
Sensor Type	1/3" Progressive CMOS	1/2.5" Progressive CMOS in 2560x1920
Lens Type	Fixed-focal	Fixed-focal
F-number	F1.8	F2.0
Focal Length	f = 3.6 mm	f = 1.27 mm
Field of View	86˚ (H), 51˚ (V)	180˚ (H), 180˚ (V)
Auto-iris	-	-
Day/Night	-	-
IR Illuminators	-	-
Min. Illumination	1.05 Lux @ F1.8, 50 IRE (Color)	0.66 Lux @ F2.0, 50 IRE (Color)
Max. Video Resolution	1280x800	1696x1696
Frames per Second	30 fps @ 1280x800	15 fps @ 1696x1696
WDR Technology*	WDR Pro	WDR Enhanced
Audio Capability	Built-in Microphone	Built-in Microphone
Housing	-	-
Dimensions	Ø: 60 mm x 93 mm	Ø: 60 mm x 81 mm
Operating Temperature	-10˚C ~ 40˚C (14˚F ~ 104˚F)	-10˚C ~ 40˚C (14˚F ~ 104˚F)

Network Camera Model Naming Rule

IB 8 3 6 7 - RT

1-2nd | 3rd | 4th | 5th | 6th | 7th

1-2nd Digit - Model Category

Code	Description
CC	Compact Cube Camera
CU	Camera Unit
FD	Fixed Dome Camera
FE	Fisheye Camera
IB	Bullet Camera
IP	Box Camera
MD	Mobile Dome Camera
PD	Pan/Tilt Dome Camera
PT	Pan/Tilt Camera
PZ	Pan/Tilt/Zoom Camera
SD	Speed Dome Camera
SF	System Fisheye Camera
VC	Video Core

3rd Digit - A/V Type

NO.	Description
7	MPEG4-SP / GSM-AMR/AAC with RTSP (Real-time Streaming Protocol)
8	H.264 / MPEG-4 / MJPEG

4th Digit for VC Series - Amount of Channel

NO.	Description
1~9	1~9 Channel

4th Digit for IP camera

NO.	Description
1	IP Camera
3	Outdoor IP Camera
5	Specific Regulation Certified

5th Digit for IP Camera - Video Type

NO.	Description
1	NTSC CCD
2	PAL CCD
3	≤ 1.0 Mega-Pixel CMOS Sensor (HD)
4	N/A
5	> 1.0 Mega-Pixel CMOS Sensor
6	≥ 2.0 Mega-Pixel CMOS Sensor
7	≥ 3.0 Mega-Pixel CMOS Sensor
8	≥ 5.0 Mega-Pixel CMOS Sensor
9	≥ 8.0 Mega-Pixel CMOS Sensor

6th Digit - Revision

NO.	Description
1~9	Not Specified
A~Z	Not Specified

7th Digit Operational Models

NO.	Description
C	Cable Management
D	DC Power Input
E	Extended Temperature ≤ -40˚C
Fx	Focal Length
H	High Dynamic Range (Wide Dynamic Range)
M	Dehumidifier
P	P-iris
R	PoE Repeater
T	Remote Focus
V	Vandal Proof
W	Wireless
X	Extreme Hot Temperature ≥ 65˚C
Z	Zoom Lens with Auto Focus

Video Servers

Model Name	VS8801/8401	VS8102	VS8100
Video Source	8/4 Analog Camera Input	1 Analog Camera Input	1 Analog Camera Input
Video Modulation	NTSC/PAL Auto Detection	NTSC/PAL Auto Detection	NTSC/PAL Auto Detection
Max. Video Resolution	720x480/NTSC 720x576/PAL	720x480/NTSC 720x576/PAL	720x480/NTSC 720x576/PAL
Frames per Second	30 fps @ 720x480 25 fps @ 720x576	30 fps @ 720x480 25 fps @ 720x576	30 fps @ 720x480 25 fps @ 720x576
Audio Capability	Two-way Audio	Two-way Audio	Audio In
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)
Serial Connectors	RS485	RS485	RS485
Pan/Tilt/Zoom Control	Yes	Yes	Yes
Networking	10/100/1000 Mbps Ethernet	10/100 Mbps Ethernet	10/100 Mbps Ethernet
Digital Input /Output	8/8 (VS8801) 4/4 (VS8401)	1/1	-
Motion Detection	Yes	Yes	Yes
Multiple Streams	1 Stream (VS8801) 2 Streams (VS8401)	4 Streams	3 Streams
Power Input	DC 12V AC 24V	PoE DC 12V AC 24V	DC 12V
On-board Storage	SD/SDHC Card Slot (VS8401)	SD/SDHC Card Slot	-
Other Value-added Features	Rack-mount Design	DC 12V Output for Analog Camera	Ultra-mini Size (25 mm x 34 mm x 65 mm), Power Sharing with Analog Camera

Network Video Recorders

Coming Soon

Model Name	NR8401	ND8322P	ND8321	ND8301	ND8401
Video Compression	H.264/MPEG-4	H.264/MJPEG	H.264/MJPEG	H.264/MPEG-4/MJPEG	H.264/MPEG-4/MJPEG
Channels	Up to 16 channels	Up to 8 channels	Up to 8 channels	Up to 8 channels	Up to 16 channels
Hard Disk	3.5" SATA I/II/III HDD*4, up to 12TB (Supports RAID 0, 1, 5)	3.5" SATA I/II/III HDD*2, up to 12TB	3.5" SATA I/II/III HDD*2, up to 8TB	3.5" SATA I/II/III HDD*2, up to 6TB (Supports RAID 0, 1)	3.5" SATA I/II/III HDD*4, up to 12TB (Supports RAID 0, 1, 5, 10)
Compatibility	Supports VIVOTEK network cameras	Supports VIVOTEK network cameras	Supports VIVOTEK network cameras	Supports VIVOTEK 7000 & 8000 series network cameras (MD7560X & SF series excluded) Supports ONVIF network cameras (by project)	Supports VIVOTEK 7000 & 8000 series network cameras (MD7560X & SF series excluded) Supports ONVIF network cameras (by project)
Recording Throughput	Total: 96 Mbps	Total: 64 Mbps	Total: 32 Mbps	Total: 96 Mbps	Total: 96 Mbps
Recording Policy	Event recording Scheduled recording Continuous recording	Event recording Scheduled recording Continuous recording Manual recording	Event recording Scheduled recording Continuous recording Manual recording	Event recording Scheduled recording Continuous recording Manual recording	Event recording Scheduled recording Continuous recording Manual recording
Local Display	-	HDMI/VGA video output	HDMI video output	VGA video output	VGA video output
Support Resolution	-	1920x1080 1280x720	1920x1080 1280x720	1024x768 ~ 1920x1080	1024x768 ~ 1920x1080
Connectors	Ethernet 10/100/1000 *2, RJ45 USB socket for configuration backup & UPS Terminal block (DI*4, DO*1,RS232*1)	Ethernet 10/100/1000 *1, RJ45 Alarm In *8, Alarm Out *4 USB socket for video backup, keyboard, mouse & UPS eSATA for external HDD Audio Output *1 Audio Input *1 (Reserved) RS232, RS485 (Reserved)	Ethernet 10/100/1000 *1, RJ45 USB socket for video backup, keyboard, mouse & UPS	Ethernet 10/100/1000 *2, RJ45 USB socket for video backup, keyboard, mouse & UPS eSATA for external HDD RS232 DE-9 Connector	Ethernet 10/100/1000 *2, RJ45 USB socket for video backup, keyboard, mouse & UPS eSATA for external HDD RS232 DE-9 Connector
History Playback	Playback of recorded media with date calendar	Playback of recorded media with date calendar, event & storyboard	Playback of recorded media with date calendar, event & storyboard	Playback of recorded media with device, time, event & bookmark	Playback of recorded media with device, time, event & bookmark
Power	100 ~ 240V AC Power consumption: Max. 70 W	DC 56V 2.5A Power consumption:Max. 120 W	DC 12V 5A Power consumption:Max. 60 W	DC 12V 5A Power consumption: Max. 31 W	100 ~ 240V AC Power consumption: Max. 58 W
Approvals	CE, FCC, VCCI, C-Tick	CE, LVD, FCC, VCCI, C-Tick	CE, FCC, VCCI, C-Tick	CE, FCC, VCCI, C-Tick	CE, FCC, VCCI, C-Tick, UL
Installation, Management, and Maintenance	Installation Wizard 2 VAST iViewer (iOS/Android)	Installation Wizard 2 VAST EZconnect, iViewer (iOS) EZconnect, iViewer (Android)	Installation Wizard 2 VAST EZconnect, iViewer (iOS) EZconnect, iViewer (Android)	Supports VIVOTEK joystick Installation Wizard 2 VAST iViewer (iOS/Android)	Supports VIVOTEK joystick Installation Wizard 2 VAST iViewer (iOS/Android)
Weight	Net: 7200 g (without HDD)	Net: 2700 g (without HDD)	Net: 920 g (without HDD)	Net: 2270 g (without HDD)	Net: 5240 g (without HDD)
Dimensions	430 mm (W) x 421 mm (D) x 44 mm (H)	360 mm (W) x 311 mm (D) x 44 mm (H)	121 mm (W) x 179 mm (D) x 186 mm (H)	315 mm (W) x 220 mm (D) x 75 mm (H)	330 mm (W) x 204 mm (D) x 215 mm (H)

VivoCam PoE Managed Switch

NEW

Model Name	AW-GEV-264A-185/370
Short Highlight	VivoCam L2 Managed PoE Switch 24xGE PoE + 2xCombo GE
Ethernet	
Gigabit Ethernet 10/100/1000Mbps (RJ45)	26
Gigabit Ethernet 100/1000Mbps (SFP)	2
Managing IP Surveillance Management	
Auto Search VIVOTEK Device	Support all VIVOTEK Devices, up to 64 pcs
Surveillance Management List	Supported
DHCP Server Function	Supported
Grouping Setting for VLAN	Support all VIVOTEK Device
Device On/Off Line Status	Support all VIVOTEK Device
Managing IP Surveillance Graphic Monitoring	
Topology View	Supported
Floor View	Supported
Google Map View	Supported
Managing IP Surveillance Maintenance	
VIVOTEK Camera Batch SW Upgrade	Supported
VIVOTEK Camera Configuration File Export/Import	Supported
Trouble Shooting	Supported
Traffic Monitoring	Supported
Standards	
IEEE 802.1p Quality of Service	Supported
IEEE 802.1q Virtual LANs	Supported
IEEE 802.1d/w/S STP/RSTP/MSTP	Supported
IEEE 802.3ad Link Aggregation Control Protocol	Supported
IEEE 802.1X Authorization	Supported
IEEE802.3az Energy Efficient Ethernet	Supported
IEEE 802.3at/af Power over Ethernet	Supported
Ethernet Performance	
MAC Address	8 K
Buffer Memory	512 KB
Backplane	52 Gbps
PoE Function	
Number of PoE Out Ports	24
Max PoE Output Power/per Port	30 W
Total PoE Power Budget	185 W (AW-GEV-264A-185) 370 W (AW-GEV-264A-370)
Power Pin Assignment	1/2(+), 3/6(-)
PoE Management	Supported
General	
Power Input	100~240V AC / 50~60Hz
Dimensions	442 (L) x 211 (W) x 44 (H) mm
Operating Temperature	0˚C ~ 50˚C (32˚F ~ 122˚F)

Web Smart PoE Switch

Model Name	AW-GET-094A-130
Short Highlight	Web Smart 8xGE PoE + 1xGE SFP Switch
Ethernet	
Gigabit Ethernet 10/100/1000Mbps (RJ45)	8
Gigabit Ethernet 100/1000Mbps (SFP)	1
Standards	
IEEE 802.3 10-BASE-T (Ethernet)	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	Supported
IEEE 802.1p Quality of Service (QoS)	Supported
IEEE 802.1Q Virtual LANs (VLANs)	Supported
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported
IEEE 802.1d/w (STP/RSTP)	Supported
IEEE 802.3af Power over Ethernet	Supported
IEEE 802.3at Power over Ethernet Plus	Supported
Ethernet Performance	
MAC Address	8 K
Buffer Memory	512 KB
Backplane	18 Gbps
Jumbo Frame	9K
Auto-MDI/MDI-X, Auto-Negotiation	Supported
PoE Function	
Number of PoE Out Ports	8
Max PoE Output Power/per Port	30 W
ToTal PoE Power Budget	130 W
Power Pin Assignment	1/2(+), 3/6(-)
PoE PD Auto Detection	Yes
PoE Management	
PoE Status	Supported
Reboot IP Camera	Supported
Alive Checking for IP Camera	Supported
PoE Power Delay Time	Supported
PoE On/Off Scheduling	Supported
General	
Power Input	100~240V AC / 50~60Hz
Dimensions	220 (L) x 242.4 (W) x 44 (H) mm
Operating Temperature	0˚C ~ 50˚C (32˚F ~ 122˚F)

Unmanaged PoE Switch

NEW

Model Name	AW-FED-0500-065/120	AW-FET-050A-065	AW-FET-080A-120
Short Highlight	Unmanaged High Power 4xFE PoE + 1xFE DIP Switch	Unmanaged 4xFE PoE + 1xFE Switch	Unmanaged 8xFE PoE Switch
Ethernet			
Fast Ethernet 10/100Mps	5	5	8
Gigabit Ethernet 10/100/1000Mbps (RJ45)	-	-	-
Gigabit Ethernet 100/1000Mbps (SFP)	-	-	-
Standards			
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported	Supported
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	Supported	Supported	Supported
Ethernet Performance			
MAC Address	1 K	1 K	1 K
Buffer Memory	48 KB	48 KB	64 KB
Transmission Method	Store and Forward	Store and Forward	Store and Forward
Backplane	1 Gbps	1 Gbps	1.6 Gbps
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported	Supported
Filtering/Forwarding Rates			
10Mps	14,880 pps	14,880 pps	14,880 pps
100Mbps	148,000 pps	148,000 pps	148,000 pps
1000Mbps	-	-	-
PoE Function			
Number of PoE Out Ports	4	4	8
Max. PoE Output Power/per Port	52 W	30 W	30 W
Total PoE Power Budget	60 W (AW-FED-0500-065) 115 W (AW-FED-0500-120)	60 W	115 W
802.3at/af Standard Compatible	-	Yes	Yes
802.3at/af Passive Compatible	Yes	-	-
Power Pin Assignment	4/5(+), 7/8(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
PoE On/Off by DIP Switch	Supported	-	-
PoE PD Auto Detection	-	Yes	Yes
General			
Power Input	AW-FED-0500-065: 100~240V AC/ 50~60Hz, 56V DC/1.16A External Power Adapter AW-FED-0500-120: 100~240V A / 50~60Hz, 52V DC/2.3A External Power Adapter	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz
Dimensions	120 (L) x 90 (W) x 28 (H) mm	185 (L) x 122 (W) x 43 (H) mm	280 (L) x 182 (W) x 44 (H) mm
Operating Temperature	0˚C ~ 50˚C (32˚F ~ 122˚F)	0˚C ~ 50˚C (32˚F ~ 122˚F)	0˚C ~ 50˚C (32˚F ~ 122˚F)

Unmanaged PoE Switch

Model Name	AW-FET-081A-065	AW-FGT-100A-120	AW-FET-160A-250
Short Highlight	Unmanaged 4xFE PoE + 4xFE Switch	Unmanaged 8xFE PoE + 2xGE UTP/SFP Switch	Unmanaged 16xFE PoE Switch
Ethernet			
Fast Ethernet 10/100Mps	8	8	16
Gigabit Ethernet 10/100/1000Mbps (RJ45)	-	1	
Gigabit Ethernet 100/1000Mbps (SFP)	-	1	
Standards			
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported	Supported
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	Supported	Supported	Supported
Ethernet Performance			
MAC Address	1 K	8 K	4 K
Buffer Memory	64 KB	512 KB	160 KB
Transmission Method	Store and Forward	Store and Forward	Store and Forward
Backplane	1.6 Gbps	5.6 Gbps	3.2 Gbps
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported	Supported
Filtering/Forwarding Rates			
10Mps	14,880 pps	14,880 pps	14,880 pps
100Mbps	148,000 pps	148,000 pps	148,000 pps
1000Mbps	-	1,488,000 pps	-
PoE Function			
Number of PoE Out Ports	4	8	16
Max. PoE Output Power/per Port	30 W	30 W	30 W
Total PoE Power Budget	60 W	115 W	240 W
802.3at/af Standard Compatible	Yes	Yes	Yes
802.3at/af Passive Compatible	-	-	-
Power Pin Assignment	1/2(+), 3/6(-)	4/5(+), 7/8(-)	1/2(+), 3/6(-)
PoE On/Off by DIP Switch	-	-	-
PoE PD Auto Detection	Yes	Yes	Yes
General			
Power Input	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz
Dimensions	280 (L) x 128 (W) x 44 (H) mm	330 (L) x 119 (W) x 44 (H) mm	440 (L) x 200 (W) x 44 (H) mm
Operating Temperature	0˚C ~ 50˚C (32˚F ~ 122˚F)	0˚C ~ 50˚C (32˚F ~ 122˚F)	0˚C ~ 50˚C (32˚F ~ 122˚F)

Unmanaged PoE Switch

Model Name	AW-FGT-180A-250	AW-FGT-260A-250
Short Highlight	Unmanaged 16xFE PoE + 2 port GE Combo Switch	Unmanaged 24xFE PoE + 2 port GE Combo Switch
Ethernet		
Fast Ethernet 10/100Mps	16	24
Gigabit Ethernet 10/100/1000Mbps (RJ45)	2	2
Gigabit Ethernet 100/1000Mbps (SFP)	2	2
Standards		
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	Supported	Supported
Ethernet Performance		
MAC Address	4 K	4 K
Buffer Memory	352 KB	352 KB
Transmission Method	Store and Forward	Store and Forward
Backplane	7.2 Gbps	8.8 Gbps
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported
Filtering/Forwarding Rates		
10Mps	14,880 pps	14,880 pps
100Mbps	148,000 pps	148,000 pps
1000Mbps	1,488,000 pps	1,488,000 pps
PoE Function		
Number of PoE Out Ports	16	24
Max. PoE Output Power/per Port	30 W	30 W
Total PoE Power Budget	240 W	240 W
802.3at/af Standard Compatible	Yes	Yes
802.3at/af Passive Compatible	-	-
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)
PoE On/Off by DIP Switch	-	-
PoE PD Auto Detection	Yes	Yes
General		
Power Input	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz
Dimensions	440 (L) x 200 (W) x 44 (H) mm	440 (L) x 200 (W) x 44 (H) mm
Operating Temperature	0˚C ~ 50˚C (32˚F ~ 122˚F)	0˚C ~ 50˚C (32˚F ~ 122˚F)

PoE Extender

Model Name	AP-FXC-0100
Short Highlight	1-Port Indoor FE PoE Extender
Compatible Camera List	VIVOTEK C series Network Cameras
PoE Extension	
Extension Distance	Max. 300 M (No Local Power Required)
PoE Output	12-48 W
IP Camera Compatibility	
Megapixel/D1/VGA	Supported
MJPEG/MPEG-4/H.264/H.265	Supported
Standards	
IEEE 802.3 10-BASE-T (Ethernet)	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported
IEEE 802.3x Flow Control (Full-duplex Flow Control)	Supported
IEEE 802.3af Power over Ethernet	Supported
IEEE 802.3at Power over Ethernet Plus	Supported
Ethernet Performance	
MAC Address	2 K
Buffer Memory	48 KB
Transmission Method	Store and Forward
Backplane	1.0 Gbps
Auto-MDI/MDI-X, Auto-Negotiation	Supported
Filtering/Forwarding Rates	
10Mbps	14,880 pps
100Mbps	148,000 pps
PoE Function	
PSE PoE Fast Ethernet (10/100Mbps)	1
PD PoE Fast Ethernet (10/100Mbps)	1
Power over Ethernet Output Compatible 802.3at/af Standard	-
Power over Ethernet Output Compatible 802.3at/af Passive	Pin Assignment and Polarity:4/5 (+), 7/8 (-) Output Power Voltage: 45-55V DC
Power over Ethernet Input Compatible 802.3at/af Passive & Standard	Supports alternatives Mode A or Mode B or Mode A+B Input Voltage: 46-57V DC Max. Input Current: 0.7A/1.4A
Dimensions	80 (L) x 70 (W) x 23 (H) mm
Operating Temperature	0˚C ~ 50˚C (32˚F ~ 122˚F)

PoE Extender

NEW

NEW

NEW

Model Name	AP-FXC-0200	AP-FXC-0201	AP-FXC-0400	AP-FXC-0150	AP-FXC-0250
Short Highlight	2-Port Indoor FE PoE Extender	2-Port Indoor FE PoE Extender with Conduit Box	4-Port Indoor FE PoE Extender	1-Port Outdoor FE PoE Extender	2-Port Outdoor FE PoE Extender
Compatible Camera List	VIVOTEK C series Network Cameras	FD8136 / FD8166 / FD8151V / FD8131/31V/33/33V/34/34V / FD8137H/37HV / FD8164/64V / FD8154/54V / FD8152V / FD8167 / FD8138-H / FD8367-V / FD8367-TV / FD8167-T / FE8180 / FD8338-HV	VIVOTEK C series Network Cameras	VIVOTEK C series Network Cameras	VIVOTEK C series Network Cameras
PoE Extension					
Extension Distance	Max. 300 M (No Local Power Required)	Max. 300 M (No Local Power Required)	Max. 200 M (No Local Power Required)	Max. 300 M (No Local Power Required)	Max. 300 M (No Local Power Required)
PoE Output	12-48 W	12-48 W	30 W	12-48 W	12-48 W
IP Camera Compatibility					
Megapixel/D1/VGA	Supported	Supported	Supported	Supported	Supported
MJPEG/MPEG-4/H.264/H.265	Supported	Supported	Supported	Supported	Supported
Standards					
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported	Supported	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported	Supported	Supported	Supported
IEEE 802.3x Flow Control (Full-duplex Flow Control)	Supported	Supported	Supported	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported	Supported	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	Supported	Supported	Supported	Supported	Supported
Ethernet Performance					
MAC Address	2 K	2 K	1 K	2 K	2 K
Buffer Memory	48 KB	48 KB	48 KB	48 KB	48 KB
Transmission Method	Store and Forward	Store and Forward	Store and Forward	Store and Forward	Store and Forward
Backplane	1.0 Gbps	1.0 Gbps	1.0 Gbps	1.0 Gbps	1.0 Gbps
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported	Supported	Supported	Supported
Filtering/Forwarding Rates					
10Mbps	14,880 pps	14,880 pps	14,880 pps	14,880 pps	14,880 pps
100Mbps	148,000 pps	148,000 pps	148,000 pps	148,000 pps	148,000 pps
PoE Function					
PSE PoE Fast Ethernet (10/100Mbps)	2	2	4	1	2
PD PoE Fast Ethernet (10/100Mbps)	1	1	1	1	1
Power over Ethernet Output Compatible 802.3at/af Standard	-	-	Pin Assignment and Polarity:1/2 (+), 3/6 (-) Output Power Voltage: 45-55V DC	-	-
Power over Ethernet Output Compatible 802.3at/af Passive	Pin Assignment and Polarity:4/5 (+), 7/8 (-) Output Power Voltage: 45-55V DC	Pin Assignment and Polarity:4/5 (+), 7/8 (-) Output Power Voltage: 45-55V DC	-	Pin Assignment and Polarity:4/5 (+), 7/8 (-) Output Power Voltage: 45-55V DC	Pin Assignment and Polarity:4/5 (+), 7/8 (-) Output Power Voltage: 45-55V DC
Power over Ethernet Input Compatible 802.3at/af Passive & Standard	Supports alternatives Mode A or Mode B or Mode A+B Input Voltage: 46-57V DC Max. Input Current: 0.7A/1.4A	Supports alternatives Mode A or Mode B or Mode A+B Input Voltage: 46-57V DC Max. Input Current: 0.7A/1.4A	Supports alternatives Mode A or Mode B or Mode A+B Input Voltage: 46-57V DC Max. Input Current: 0.7A/1.4A	Supports alternatives Mode A or Mode B or Mode A+B Input Voltage: 46-57V DC Max. Input Current: 0.7A/1.4A	Supports alternatives Mode A or Mode B or Mode A+B Input Voltage: 46-57V DC Max. Input Current: 0.7A/1.4A
Dimensions	58 (L) x 108 (W) x 23 (H) mm	153 (L) x 153 (W) x 44 (H) mm	120 (L) x 90 (W) x 28 (H) mm	160 (L) x 114 (W) x 45 (H) mm	160 (L) x 114 (W) x 45 (H) mm
Operating Temperature	0˚C ~ 50˚C (32˚F ~ 122˚F)	0˚C ~ 50˚C (32˚F ~ 122˚F)	0˚C ~ 50˚C (32˚F ~ 122˚F)	-20˚C ~ 60˚C (-4˚F ~ 140˚F)	-20˚C ~ 60˚C (-4˚F ~ 140˚F)

PoE Injector

NEW

Model Name	AP-FIC-010A-015
Short Highlight	1xFE IEEE 802.3af PoE Injector
Ethernet	
Fast Ethernet 10/100Mps	1
Gigabit Ethernet 10/100/1000Mbps (RJ45)	-
Standards	
IEEE 802.3 10-BASE-T (Ethernet)	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	-
IEEE 802.3af Power over Ethernet	Supported
IEEE 802.3at Power over Ethernet Plus	-
Transmission Media	
10Base T	Cat. 3, 4, 5 UTP/STP
100Base TX	Cat. 5, 5e UTP/STP
1000Base T	-
PoE Function	
Number of PoE Out Ports	1
Max. PoE Output Power/per Port	15.4 W
802.3at Standard Compatible	-
802.3af Standard Compatible	Yes
802.3at Passive Compatible	-
802.3af Passive Compatible	-
Over Current Protection	Supported
Circuit Shorting Protection	Supported
Power Pin Assignment	1/2(+), 3/6(-)
PoE PD Auto Detection	Supported
General	
Power Input	100~240V AC / 50~60Hz
Power Consumption	19 W
Dimensions	145 (L) x 63 (W) x 42 (H) mm
Operating Temperature	0˚C ~ 50˚C (32˚F ~ 122˚F)

PoE Injector

NEW

NEW

NEW

NEW

Model Name	AP-FIC-010B-015	AP-GIC-010A-030	AP-GIC-010B-030	AP-GIC-010A-060
Short Highlight	1xFE Passive PoE Injector	1xGE IEEE 802.3at PoE Injector	1xGE Passive PoE Injector	1xGE 60W High Power UPoE Injector
Ethernet				
Fast Ethernet 10/100Mps	1	-	-	-
Gigabit Ethernet 10/100/1000Mbps (RJ45)	-	1	1	1
Standards				
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported	Supported	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	-	Supported	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	-	Supported	Supported	Supported
Transmission Media				
10Base T	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP
100Base TX	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP
1000Base T	-	Cat. 5e, 6, 7 UTP/STP	Cat. 5e, 6, 7 UTP/STP	Cat. 5e, 6, 7 UTP/STP
PoE Function				
Number of PoE Out Ports	1	1	1	1
Max. PoE Output Power/per Port	15.4 W	30 W	30 W	60 W
802.3at Standard Compatible	-	Yes	-	Yes
802.3af Standard Compatible	-	Yes	-	Yes
802.3at Passive Compatible	-	-	Yes	-
802.3af Passive Compatible	Yes	-	Yes	-
Over Current Protection	Supported	Supported	Supported	Supported
Circuit Shorting Protection	Supported	Supported	Supported	Supported
Power Pin Assignment	4/5(+), 7/8(-)	1/2(+), 3/6(-)	4/5(+), 7/8(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE PD Auto Detection	-	Supported	-	Supported
General				
Power Input	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz
Power Consumption	19 W	35 W	35 W	65 W
Dimensions	145 (L) x 63 (W) x 42 (H) mm	145 (L) x 63 (W) x 42 (H) mm	145 (L) x 63 (W) x 42 (H) mm	162 (L) x 84 (W) x 44 (H) mm
Operating Temperature	0˚C ~ 50˚C (32˚F ~ 122˚F)	0˚C ~ 50˚C (32˚F ~ 122˚F)	0˚C ~ 50˚C (32˚F ~ 122˚F)	0˚C ~ 50˚C (32˚F ~ 122˚F)

Industrial PoE Switch

NEW

NEW

Model Name	AW-IHT-0500	AW-IHT-0501
Short Highlight	Industrial 4xFE PoE + 1xFE Switch	Industrial 4xFE PoE + 1xFE SC Muti-Mode 2KM Switch
Ethernet		
Fast Ethernet 10/100Mbps (RJ45)	5	4
Fast Ethernet 100Mbps (Fiber)	-	SC Multi-mode 2 km
Gigabit Ethernet 10/100/1000Mbps (RJ45)	-	-
Gigabit Ethernet 100/1000Mbps (SFP)	-	-
Standards		
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	-	-
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	Supported	Supported
Ethernet Performance		
MAC Address	1 K	1 K
Buffer Memory	128 KB	128 KB
Transmission Method	Store and Forward	Store and Forward
Backplane	1 Gbps	1 Gbps
Jumbo Frame	-	-
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported
Transmission Media		
10Base T	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP
100Base TX	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP
1000Base TX	-	-
PoE Function		
Number of PoE Out Ports	4	4
Max. PoE Output Power/per Port	30 W	30 W
802.3at/af Standard Compatible	Yes	Yes
Over Current Protection	Supported	Supported
Circuit Shorting Protection	Supported	Supported
Total PoE Power Budget	120 W	120 W
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)
General		
Power Input	Redundant Dual 44V-56V DC Power Input Removable Terminal Block	Redundant Dual 44V-56V DC Power Input Removable Terminal Block
Dimensions	142 (L) x 105 (W) x 36.2 (H) mm	142 (L) x 105 (W) x 36.2 (H) mm
Operating Temperature	-40˚C ~ 75˚C (-40˚F ~ 167˚F)	-40˚C ~ 75˚C (-40˚F ~ 167˚F)

Industrial PoE Switch

NEW

NEW

NEW

Model Name	AW-IHT-0502	AW-IHT-0600	AW-IHT-0601
Short Highlight	Industrial 4xFE PoE + 1xFE SC Single-Mode 30KM Switch	Industrial 4xGE PoE + 1xGE Combo + 1xGE SFP Switch	Industrial 4xGE PoE + 1xGE Combo + 1xGE SFP Switch
Ethernet			
Fast Ethernet 10/100Mbps (RJ45)	4	-	-
Fast Ethernet 100Mbps (Fiber)	SC Single-mode 30 km	-	-
Gigabit Ethernet 10/100/1000Mbps (RJ45)	-	5	5
Gigabit Ethernet 100/1000Mbps (SFP)	-	2	2
Standards			
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	-	Supported	Supported
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	Supported	Supported	Supported
Ethernet Performance			
MAC Address	1 K	1 K	1 K
Buffer Memory	128 KB	128 KB	128 KB
Transmission Method	Store and Forward	Store and Forward	Store and Forward
Backplane	1 Gbps	12 Gbps	12 Gbps
Jumbo Frame	-	9 KB	9 KB
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported	Supported
Transmission Media			
10Base T	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP
100Base TX	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP
1000Base TX	-	Cat. 5e, 6, 7 UTP/STP	Cat. 5e, 6, 7 UTP/STP
PoE Function			
Number of PoE Out Ports	4	4	4
Max. PoE Output Power/per Port	30 W	30 W	30 W
802.3at/af Standard Compatible	Yes	Yes	Yes
Over Current Protection	Supported	Supported	Supported
Circuit Shorting Protection	Supported	Supported	Supported
Total PoE Power Budget	120 W	120 W	24VDC~56VDC: 120 W 12VDC: 65 W
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
General			
Power Input	Redundant Dual 44V-56V DC Power Input Removable Terminal Block	Redundant Dual 44V-56V DC Power Input Removable Terminal Block	Redundant Dual 12V-56V DC Power Input Removable Terminal Block
Dimensions	142 (L) x 105 (W) x 36.2 (H) mm	142 (L) x 105 (W) x 43 (H) mm	142 (L) x 105 (W) x 43 (H) mm
Operating Temperature	-40˚C ~ 75˚C (-40˚F ~ 167˚F)	-40˚C ~ 75˚C (-40˚F ~ 167˚F)	-40˚C ~ 75˚C (-40˚F ~ 167˚F)

Industrial PoE Injector

Coming Soon

Coming Soon

Model Name	AW-IHT-0100	AW-IHT-0101
Short Highlight	Industrial GE PoE Injector	Industrial GE 60W High Power UPoE Injector
Ethernet		
Fast Ethernet 10/100Mps	-	-
Gigabit Ethernet 10/100/1000Mbps (RJ45)	1	1
Standards		
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	Supported	Supported
Transmission Media		
10Base T	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP
100Base TX	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP
1000Base T	Cat. 5e, 6, 7 UTP/STP	Cat. 5e, 6, 7 UTP/STP
PoE Function		
Number of PoE Out Ports	1	1
Max. PoE Output Power/per Port	30 W	60 W
802.3at Standard Compatible	Yes	Yes
802.3af Standard Compatible	Yes	Yes
Over Current Protection	Supported	Supported
Circuit Shorting Protection	Supported	Supported
Power Pin Assignment	1/2(+), 3/6(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE PD Auto Detection	Supported	Supported
General		
Power Input	Redundant Dual 12V-56V DC Power Input Removable Terminal Block	Redundant Dual 24V-56V DC Power Input Removable Terminal Block
Power Consumption	35 W	65 W
Dimensions	103 (L) x 81 (W) x 32 (H) mm	103 (L) x 81 (W) x 32 (H) mm
Operating Temperature	-40˚C ~ 75˚C (-40˚F ~ 167˚F)	-40˚C ~ 75˚C (-40˚F ~ 167˚F)

Industrial Media Converter

NEW

NEW

Model Name	AW-IHS-0200	AW-IHS-0201
Short Highlight	Industrial FE Media Converter SC Multi-Mode Fiber 2KM	Industrial FE Media Converter SC Single-Mode 30KM
Ethernet		
Fast Ethernet 10/100Mbps (RJ45)	1	1
Fast Ethernet 100Mbps (Fiber)	SC Multi-mode 2 km	SC Single-mode 30 km
Gigabit Ethernet 10/100/1000Mbps (RJ45)	-	-
Gigabit Ethernet 100/1000Mbps (Fiber)	-	-
Standards		
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	-	-
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported	Supported
Ethernet Performance		
MAC Address	1 K	1 K
Buffer Memory	128 KB	128 KB
Transmission Method	Store and Forward	Store and Forward
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported
Filtering/Forwarding Rates		
10Mbps	14,880 pps	14,880 pps
100Mbps	148,000 pps	148,000 pps
1000Mbps	-	-
Transmission Media		
10Base T	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP
100Base TX	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP
1000Base TX	-	-
General		
Power Input	18V-36VAC or 12V-60VDC Power Input Removable Terminal Block	18V-36VAC or 12V-60VDC Power Input Removable Terminal Block
Dimensions	59 (L) x 49 (W) x 36 (H) mm	59 (L) x 49 (W) x 36 (H) mm
Operating Temperature	-40˚C ~ 75˚C (-40˚F ~ 167˚F)	-40˚C ~ 75˚C (-40˚F ~ 167˚F)

Industrial Media Converter

NEW

Coming Soon

Model Name	AW-IHS-0202	AW-IHS-0203
Short Highlight	Industrial FE Media Converter SFP	Industrial GE Media Converter SFP
Ethernet		
Fast Ethernet 10/100Mbps (RJ45)	1	-
Fast Ethernet 100Mbps (Fiber)	SFP	-
Gigabit Ethernet 10/100/1000Mbps (RJ45)	-	1
Gigabit Ethernet 100/1000Mbps (Fiber)	-	SFP
Standards		
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	-	Supported
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported	Supported
Ethernet Performance		
MAC Address	1 K	1 K
Buffer Memory	128 KB	128 KB
Transmission Method	Store and Forward	Store and Forward
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported
Filtering/Forwarding Rates		
10Mbps	14,880 pps	14,880 pps
100Mbps	148,000 pps	148,000 pps
1000Mbps	-	1,488,000pps
Transmission Media		
10Base T	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP
100Base TX	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP
1000Base TX	-	Cat. 5e, 6, 7 UTP/STP
General		
Power Input	18V-36VAC or 12V-60VDC Power Input Removable Terminal Block	18V-36VAC or 12V-56VDC Power Input Removable Terminal Block
Dimensions	59 (L) x 49 (W) x 36 (H) mm	103 (L) x 81 (W) x 32 (H) mm
Operating Temperature	-40˚C ~ 75˚C (-40˚F ~ 167˚F)	-40˚C ~ 75˚C (-40˚F ~ 167˚F)

Accessories

Mounting Kits

Model Name	AM-102	AM-103	AM-114	AM-118	AM-116/AM-117	AM-214	AM-215
Description	Recessed kit (Fixed dome)	Recessed kit (Speed dome)	Pendant head (Water proof)	Pendant head	Pendant Pipe (20 / 40 cm)	L shape bracket (Compact size)	L shape bracket (standard size)

Mounting Kits

Model Name	AM-212	AM-221	AM-231	AM-515	AM-519	AM-522	AM-516
Description	Wall mount bracket	Gooseneck bracket	Parapet mount bracket	1.5" NPT adaptor	1.5" NPT adaptor	Adaptor for 3/4" NPT and 1.5" PS11	Adaptor ring

Mounting Kits

Model Name	AM-517	AM-523	AM-524	AM-51A	AM-520	AM-712	SP-702A
Description	Adaptor ring	Adapting Plate (4" and 4_11/16" electrical box)	Adapting Plate (4" and 3_1/2" electrical box)	Mounting adaptor (1.5"" PS11)	Mounting adaptor (3/4" NPT/1.5" PS11)	Conduit Box	Mounting bracket

Mounting Kits / Enclosures

Model Name	AM-131	AM-311	AM-411	AM-711	AM6101	AM6102	AE-201
Description	Mounting bracket	Pole mount adaptor	Corner mount adaptor	Junction box	Wall Mount Kit for VS84/8801	Rack Mount Kit for VS84/8801	Indoor camera enclosure (Transparent cover)

Enclosures

Model Name	AE-202	AE-251	AE-252	AE-211	AE-232	AE-233	AE-234
Description	Indoor camera enclosure (Smoke cover)	Outdoor dome housing with fan/heater (Transparent cover)	Outdoor dome housing with fan/heater (Smoke cover)	Outdoor enclosure with fan	Outdoor enclosure with fan/heater (Input AC 90~240V)	Outdoor enclosure with fan/heater (Input AC 24V)	Outdoor enclosure with fan/heater, IR, IK10 (Input AC 90~240V)

Enclosures / Dome Covers / IR Illuminators

Model Name	AE-235	AE-241	AE-242	AC-111	AC-212	AI-101	AI-102
Description	Outdoor enclosure with fan/heater, IR (Input AC 90~240V)	Outdoor enclosure with 0~50˚C, 50m IR, Defog, FAN, UPoE in	Outdoor enclosure with -40~50˚C, 50m IR, Defog, FAN, UPoE in	Transparent speed dome cover, IK10	Smoked speed dome cover	IR illuminators, distance 20 M, IP68	IR illuminators, 2 tube housings, distance 20 M, IP68

IR Illuminators / Lenses

Model Name	AI-103	AL-231	AL-232	AL-233	AL-241	AL-234	AL-235
Description	IR illuminators, distance 20 M, IP68	CS mount, 2.8 ~ 12 mm, F1.2, DC-iris	CS mount, 3.1 ~ 8 mm, F1.2, DC-iris	CS mount, 5 ~ 50 mm, F1.6, DC-iris	CS mount, 3.1 ~ 8 mm, F1.2, P-iris	CS mount, 5 ~ 50 mm, F1.6, DC-iris	CS mount, 7~22mm, F1.4, DC-iris

Lenses / Power Adapters / Network Accessories

Model Name	AL-242	AA-341	AA-221/AA-222	AA-231	AN3000	IOP-RFCFD-400150NMR	AN-211
Description	CS mount, 12.5~50mm, F1.4, P-iris	AC 24V 3.5A power adapter	DC 12V 1.5A power adapter	DC 12V 2.5A power adapter	Outdoor Ethernet waterproof connector	RF cable, 1.5M, N Plug*2	Outdoor wireless access point (Antenna connector*1)

Network Accessories / Joystick / Miscellaneous

Model Name	AN-212	AN-213	AN-221	IPD-USB	AO-001	AO-002
Description	Outdoor wireless access point (Antenna connectors*2)	Outdoor wireless access point (Antenna connectors*3)	5G panel antenna 5 ~ 8 km	USB joystick	I/O Cable for speed dome	RJ45 to M12 4 pin cable, 1 meter

Standard VCA (On-Camera Video Content Analysis)

Line Crossing Detection • Field Detection • Loitering Detection • Object Counting

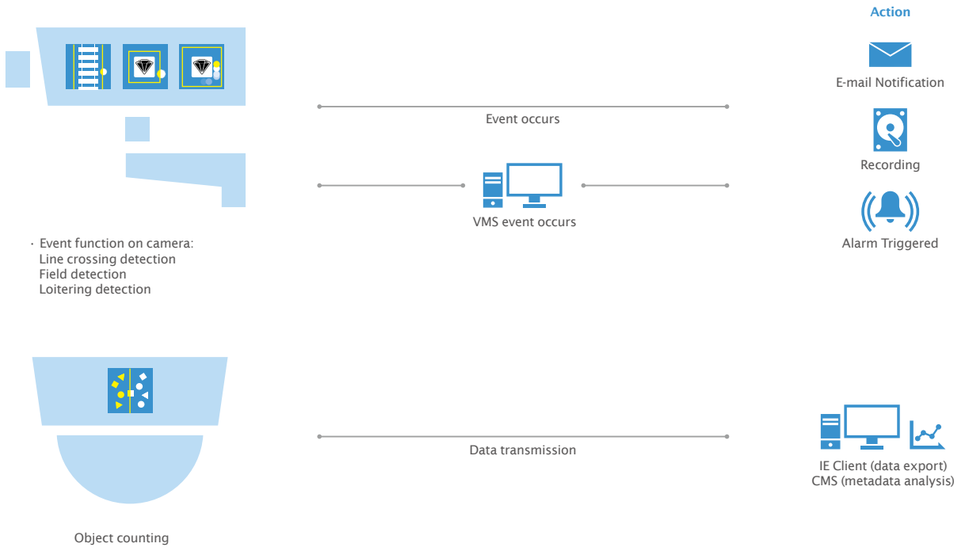
VIVOTEK' s Standard Video Content Analysis (Standard VCA) is an embedded application package for VIVOTEK cameras that offer four key functions including Line Crossing Detection, Field Detection, Loitering Detection and Object Counting. The Standard VCA application package follows the debut of the VIVOTEK Application Development Platform (VADP), an open platform which enable third party partners to upload applications with analytic features to the camera, providing additional added value and flexibility to users in various industry.

The Line Crossing Detection function detects objects crossing a virtual line in either or both directions. The Field Detection feature triggers an event when objects move into or out of a configurable region of interest. The Loitering Detection triggers when objects linger in the region of interest for more than a preconfigured period of time. In addition, the Object Counting records number of people moving across virtual lines and provides the result data in graph and table format. Together, these smart components can support projects that require advance analytics, such as staff deployment planning, customer traffic analysis, and store merchandise arrangement, to meet the needs of retailers and other businesses.

Features

- Embedded Application on Camera
- Real Time Analytics
- Easy Configuration
- Detailed, Built-in Time-based Report
- Multiple Analyses in One Package

Standard VCA Structure



* Object Counting is now available on VIVOTEK's MD8562, FE8174/74V, and FE8173 cameras.

Software

VAST

Professional Video / Central Management Software

VAST is the professional video/central management software presented by VIVOTEK. It is designed with intuitive functions and numerous features for managing all VIVOTEK IP surveillance products. VAST supports virtually unlimited number of cameras and substations in a hierarchical structure. Monitoring, recording, playback and event/user management are all done in an easy and efficient manner. Moreover, VAST also offers the video wall solution called VAST Matrix, for live monitoring hundreds of cameras. With full range of the server and client structure, VAST supports remote management and establishes a robust system for various applications such as retail stores, banks and public spaces.

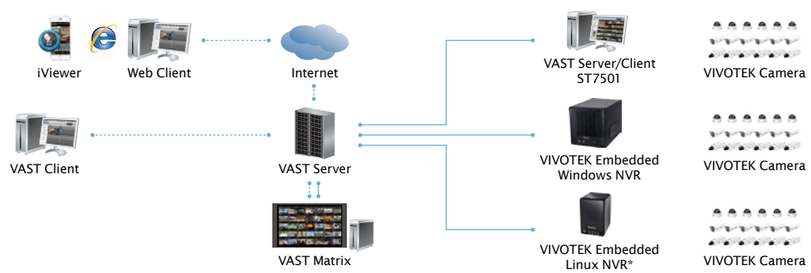
• Upcoming Features

- VCA Event Integration
- Logical Tree to Create and Manage the Camera Group
- VCA Report for People Counting Analysis

• Features

- Video Wall Solution "VAST Matrix" for Unlimited Live Views
- 64-channel Live Video Monitoring with Dual Monitors
- 16-channel Synchronous Playback
- PTZ/ePTZ/PiP(Digital Zoom)/Dewarp Function Control
- Event Management
- Overall Device Management through Intuitive E-map Feature
- Two-way Audio, Multi-channel Audio Broadcast
- Post-Video Enhancement and Defog
- Web Access via Internet Explorer
- Instant Replay & Playback on LiveClient
- Auto Stream Size for Reducing Display Loading
- Device Packs for Extending New VIVOTEK Cameras
- Playback Rewind for Finding the Crucial Video Easily
- ONVIF Core Spec Version 2.2 (by project)
- VIVOTEK Exclusive Feature: Panoramic PTZ for 360° Seamless Surveillance Solution
- Windows 8 & Server 2012 Support
- Alarm Management for Security Overview Report

VAST Structure



* Embedded Linux NVR only supports Live View and Playback

ST7501

Free Video Management Software

ST7501 is free standard video management software offered with all VIVOTEK network cameras and video servers, supporting up to 32 channels. Monitoring, recording, playback, and event/user management are in the same fashion of VAST. It is integrated with the central management software, VAST, so it can act as a substation. ST7501 is designed for residential and small business applications.

Application Software

Installation Wizard 2 (IW2)

VIVOTEK's Installation Wizard 2 (IW2) can guide users to easily set up a network camera with embedded intelligent functions. IW2 is capable of learning the network environments, finding VIVOTEK products, and configuring VIVOTEK products including IP address, DDNS, and PPPoE. Additional features include group firmware upgrades (16 units), and remote restore to factory default. IW2 simplifies and streamlines the installation process, greatly benefiting small to medium business, and residential users.

Shepherd

VIVOTEK's Shepherd, embedded with device management functions, can easily set up multiple cameras at once. The software automatically brings up a list of all VIVOTEK devices that are connected on the network and user can manually group the cameras to apply pre-configured settings. The Shepherd supports various powerful functions, including group setting management, IP address assignment, remote reboot/restore, import/export camera settings, firmware and VADP package upgrade, exporting the server status report to track the issue. It greatly benefits system integrators and installers who often have projects that need to set up multiple cameras with the same settings at once.

iViewer

iViewer is VIVOTEK's mobile app for iOS and Android devices. The re-designed easy to use interface allows users to monitor live video from hundreds of cameras managed by a VAST (central & video management software), ST7501 (free video management software), VIVOTEK NVR, or make direct connections to individual cameras. The iViewer also provides to add in devices via IP address or IP finder, one way audio, PTZ and PiP screen control, fisheye dewarping, snapshot and the capability to playback recorded video from VIVOTEK VAST/ST7501 and NVR.

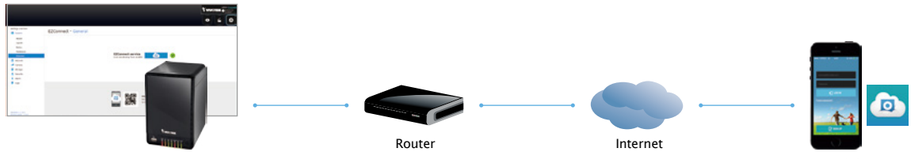
Design Tool

VIVOTEK Design Tool is a useful mobile app which guides users to choose the correct devices and calculate the system requirements in a surveillance system via just a few clicks, enabling quick and efficient project planning.

EZConnect

EZConnect is VIVOTEK's new mobile App for iOS and Android devices, allowing user to easily register device through the VIVOTEK server using Device ID, device finder or scan of a QR code. Once registered, user will be able to access cameras connected on the network without the complexity of setting up port forwarding and eliminate auto port forward failure.

*Compatible product: ND8321, ND8322P



Please enable the "EZConnect" function on ND8321 first

Download the "EZConnect" App to sign up the account to manage the deivces for LiveView and Playback

VIVOTEK Solution Integration Alliance

The SIA (Solution Integration Alliance) Program is a strategic alliance that aims to facilitate the integration of VIVOTEK products into leading software or hardware platforms. With the SIA Program, partners have the flexibility to enhance key functionalities when creating an IP surveillance solution. The SIA Program provides programmable Software Development Kits (SDK) to allow partners to develop customized features on an open platform, allowing the highest possible level of integration. VIVOTEK also provides technical support throughout the development process.
Find out more about enrolling in the VIVOTEK SIA Program, please email sia@vivotek.com for more information.

AGENT, aimetis, American Dynamics, axxon, ALNET
CamTrace, COGNIMATICS, DIGIEVER, DVTEL, DigiFort
ebo, exacq Technologies, Genetec, GEUTEBRÜCK Competence in Video Security, GVD
HUNDURE, i3 INTERNATIONAL, IV&C Industrial Video and Control, INSTEK DIGITAL, ipConfigure
JDS Digital Security Systems, Koukaam, LENEL, logiware, LUXRIOT
milestone Manufacturer Alliance Partner, MIRASYS, NICE, netcam WATCHER PROFESSIONAL, NEXT LEVEL SECURITY SYSTEMS
NUUO, neocam, netavis, netcamara, OnSSI IP To The Core
QNAP, Seagate, SeeTec Software for Video Security, Synology, Skywatch
SKYROS, VEDO CCTV DESIGN & SYSTEMS, TechnoAware, Viseox, VIDEOINSIGHT
WebEyeAlert, wavestore integrity in digital recording, WD

iVolume – e-Catalogue on the go
for tablet viewing only

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